

SERVICE MANUAL

MODEL

VPL-S900U

VPL-S900E

VPL-S900M

IFB-X600E

DEST.

US/CND

AEP

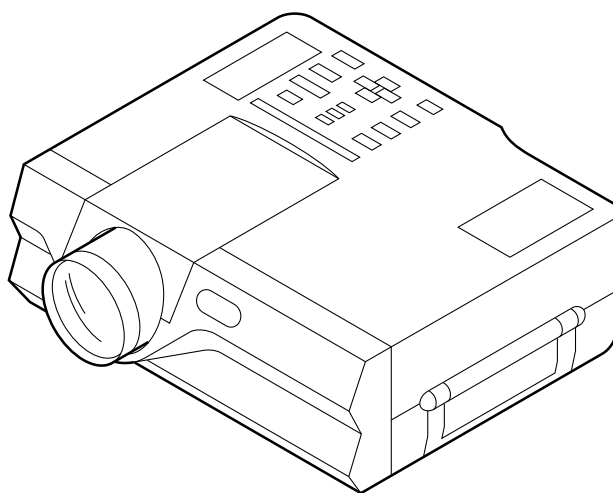
AEP

AEP

MODEL

RM-PJM600

PSS-600



VPL-S900U/S900E/S900M

IFB-X600E

RM-PJM600

PSS-600

LCD Data Projector

Interface Board (FOR VPL-X1000E/S900E)

Remote Commander

Projector Suspension

LCD DATA PROJECTOR

SONY®

WARNING


This manual is intended for qualified service personnel only.

To reduce the risk of electric shock, fire or injury, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so. Refer all servicing to qualified service personnel.

WARNING!!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS. THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

HIGH TEMPERATURE OF THE LAMP
THE TEMPERATURE AROUND THE LAMP BECAME AWFULLY HIGH WHILE THE POWER ON OR IMMEDIATELY AFTER POWER OFF. HANDLE WITH CARE TO NOT SCALD.

ATTENTION!!

AFIN D'ÉVITER TOUT RISQUE D'ÉLECTROCUTION PROVENANT D'UN CHÂSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ÊTRE UTILISÉ LORS DE TOUT DÉPANNAGE. LE CHÂSSIS DE CE RÉCEPTEUR EST DIRECTEMENT RACCORDÉ À L'ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET PAR UNE MAPQUE ! SUR LES SCHÉMAS DE PRINCIPE, LES VUES EXPLOSÉES ET LES LISTES DE PIÈCES CONTIENNENT D'UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÈCE EST INDiqué DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY. LES RÉGLAGES DE CIRCUIT DONT L'IMPORTANCE EST CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT SONT IDENTIFIÉS DANS LE PRÉSENT MANUEL. SUIVRE CES PROCÉDURES LORS DE CHAQUE REMPLACEMENT DE COMPOSANTS CRITIQUES, OU LORSQU'UN MAUVAIS FONCTIONNEMENT EST SUSPECTÉ.

TABLE OF CONTENTS

1. OPERATING INSTRUCTIONS

| | |
|---|------|
| 1-1. VPL-S900U/S900E/S900M OPERATING INSTRUCTIONS | 1-1 |
| 1-2. VPL-S900U/S900E/S900M INSTALLATION MANUAL FOR DEALERS | 1-25 |
| 1-3. IFB-X600E OPERATING INSTRUCTIONS | 1-37 |
| 1-4. PSS-600 INSTALLATION MANUAL | 1-40 |

2. SERVICE INFORMATIONS

| | |
|---|-----|
| 2-1. CIRCUIT BOARDS LOCATIONS | 2-1 |
| 2-2. DISASSEMBLY | 2-2 |
| 2-2-1. Cabinet Assy Removal | 2-2 |
| 2-2-2. Front Panel Assy and NF Board Removal | 2-2 |
| 2-2-3. Scan Converter Unit Removal | 2-2 |
| 2-2-4. GA and U Boards Removal | 2-2 |
| 2-2-5. Power Supply Block Removal | 2-3 |
| 2-2-6. F Board Removal | 2-3 |
| 2-2-7. Connector Panel Assy, QA, QB, QC, QD and NR Boards Removal | 2-3 |
| 2-2-8. C Board Removal | 2-4 |
| 2-2-9. Optical Unit Removal | 2-4 |
| 2-2-10. GB, GBA and V Boards Removal | 2-4 |
| 2-2-11. BA and BAA Boards Removal | 2-4 |
| 2-2-12. Lens Removal | 2-5 |
| 2-2-13. Lens Adjustment | 2-5 |
| 2-2-14. Prism Block and Condenser Lens Removal | 2-5 |
| 2-2-15. Condenser Lens Adjustment | 2-5 |

3. ADJUSTMENTS

| | |
|--|-----|
| 3-1. VCOM ADJUSTMENT | 3-1 |
| 3-2. Signal Level Adjustment | 3-1 |
| 3-2-1. RGB Level Adjustment | 3-1 |
| 3-2-2. VIDEO Level Adjustment | 3-1 |
| 3-2-3. Adjustment of VIDEO SUB HUE and COLOR | 3-2 |
| 3-3. X1000&S900 SERIES MEMORY STRUCTURE | 3-3 |

4. SEMICONDUCTORS

5. EXPLODED VIEWS

| | |
|-------------------------------|-----|
| 5-1. CABINET BLOCK | 5-2 |
| 5-2. CHASSIS BLOCK | 5-3 |
| 5-3. BASE BLOCK | 5-4 |
| 5-4. OPTICAL UNIT BLOCK | 5-5 |

6. ELECTRICAL PARTS LIST

7. BLOCK DIAGRAMS

| | |
|---|-----|
| 7-1. BA, QB BOARD BLOCK DIAGRAM | 7-1 |
| 7-2. BB BOARD BLOCK DIAGRAM (1/2) | 7-2 |

| | |
|---|-----|
| 7-3. BB BOARD BLOCK DIAGRAM (2/2) | 7-3 |
| 7-4. C, NF, NR, U and V BOARD BLOCK DIAGRAM | 7-4 |
| 7-5. BAA, H, QA and QC BOARD BLOCK DIAGRAM | 7-5 |
| 7-6. F, GA, GB and GBA BOARD BLOCK DIAGRAM | 7-6 |

8. DIAGRAMS

| | |
|---|-----|
| 8-1. FRAME SCHEMATIC DIAGRAM | 8-1 |
| 8-2. SCHEMATIC DIAGRAMS/PRINTED WIRING BOARDS | 8-2 |

SCHEMATIC DIAGRAMS

| | |
|----------------------|------|
| QA Board | 8-3 |
| QB Board | 8-5 |
| QC Board | 8-5 |
| BA (1/3) Board | 8-8 |
| BA (2/3) Board | 8-9 |
| BA (3/3) Board | 8-10 |
| NF Board | 8-12 |
| NR Board | 8-12 |
| U Board | 8-12 |
| V Board | 8-12 |
| C (1/5) Board | 8-13 |
| C (2/5) Board | 8-14 |
| C (3/5) Board | 8-15 |
| C (4/5) Board | 8-16 |
| C (5/5) Board | 8-17 |
| H Board | 8-21 |
| BAA Board | 8-23 |
| QD Board | 8-23 |
| F Board | 8-25 |
| GA Board | 8-25 |
| GB Board | 8-27 |
| GBA Board | 8-29 |
| BB (1/6) Board | 8-30 |
| BB (2/6) Board | 8-31 |
| BB (3/6) Board | 8-32 |
| BB (4/6) Board | 8-33 |
| BB (5/6) Board | 8-34 |
| BB (6/6) Board | 8-35 |

PRINTED WIRING BOARDS

| | |
|-----------------|------|
| QA Board | 8-2 |
| QB Board | 8-4 |
| QC Board | 8-4 |
| BA Board | 8-6 |
| NF Board | 8-12 |
| NR Board | 8-12 |
| U Board | 8-12 |
| V Board | 8-12 |
| C Board | 8-18 |
| H Board | 8-21 |
| BAA Board | 8-22 |
| QD Board | 8-22 |

F Board 8-24

GA Board 8-24

GB Board 8-26

GBA Board 8-28

SECTION 1 OPERATING INSTRUCTIONS

1-1. VPL-S900U/S900E/S900M OPERATING INSTRUCTIONS

3-865-933-11 (1)

SONY[®]

SONY

VPL-S900U/S900E/S900M

LCD Data Projector

Operating Instructions _____ **EN**

Mode d'emploi _____ **F**

Manual de instrucciones _____ **ES**

**VPL-S900U
VPL-S900E
VPL-S900M**

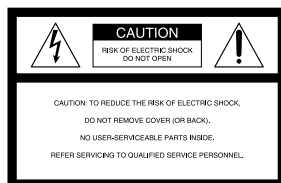
© 1998 by Sony Corporation

English

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.



This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

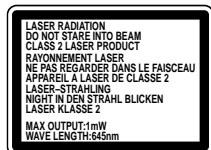


This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

For the customers in the USA

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

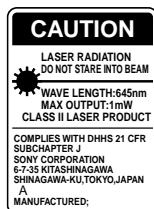
You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

For the customers of VPL-S900E/S900M

This label is located on the rear of the Remote Commander.



This label is located on the side of the Remote Commander.

For the customers of VPL-S900U

This label is located on the rear of the Remote Commander.



This label is located on the rear of the Remote Commander.

Laser light shines out of this window.

**Caution**

use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Notes

- Do not aim the laser at people or not look into the laser transmitter.
- When the Remote Commander causes malfunction, consult with qualified Sony personnel. We change the Remote Commander as new one according to the guarantee.

For the customers in Canada

This Class A digital apparatus complies with Canadian ICES-003.

For the customers in the United Kingdom**WARNING**

THIS APPARATUS MUST BE EARTHED

IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:

Green-and-Yellow: Earth
Blue: Neutral
Brown: Live

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug proceed as follows:

The wire which is coloured green-and-yellow must be connected to the terminal in the plug which is marked by the letter E or by the safety earth symbol \perp or coloured green or green-and-yellow.

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.

The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

Voor de klanten in Nederland

Bij dit product zijn batterijen geleverd. Wanneer deze leeg zijn, moet u ze niet weggooien maar inleveren als KCA.

The socket-outlet should be installed near the equipment and be easily accessible.

Table of Contents

Overview

| | |
|--|---------------|
| Precautions | 6 (EN) |
| Features | 8 (EN) |
| Location and Function of Controls | 9 (EN) |
| Front | 9 (EN) |
| Rear | 13 (EN) |
| Remote Commander | 15 (EN) |

Setting up and projecting

| | |
|--|----------------|
| Installing the Projector | 17 (EN) |
| Connecting | 18 (EN) |
| Connecting with a Computer | 18 (EN) |
| Connecting with a VCR, 15k RGB/Component Equipment | 20 (EN) |
| Using the RGB IN/OUT connector on INPUT B as a monitor output connector | 21 (EN) |
| Projecting | 22 (EN) |

Adjustments and settings using the menu

| | |
|-------------------------------------|----------------|
| Using the MENU | 25 (EN) |
| The PICTURE CTRL Menu | 26 (EN) |
| The INPUT SETTING Menu | 28 (EN) |
| The SET SETTING Menu | 31 (EN) |

Installation

| | |
|--------------------------------------|----------------|
| Installation Examples | 33 (EN) |
| Floor Installation | 33 (EN) |
| Ceiling Installation | 34 (EN) |
| Unsuitable Installation | 35 (EN) |
| Notes on Installation | 36 (EN) |

Maintenance

| | |
|--|----------------|
| Maintenance | 37 (EN) |
| Note on the Time to Replace the Lamp | 37 (EN) |
| Cleaning the Air Filter | 37 (EN) |
| Troubleshooting | 38 (EN) |

Other

| | |
|-----------------------------|----------------|
| Specifications | 40 (EN) |
| Index | 46 (EN) |

Precautions


On safety

- Check that the operating voltage of your unit is identical with the voltage of your local power supply. If voltage adaptation is required, consult with qualified Sony personnel.
- Should any liquid or solid object fall into the cabinet, unplug the unit and have it checked by qualified personnel before operating it further.
- Unplug the unit from the wall outlet if it is not to be used for several days.
- To disconnect the cord, pull it out by the plug. Never pull the cord itself.
- The wall outlet should be near the unit and easily accessible.
- The unit is not disconnected to the AC power source (mains) as long as it is connected to the wall outlet, even if the unit itself has been turned off.
- Do not look into the lens while the lamp is on.
- Do not aim the laser at people or not look into the laser transmitter.
- Do not place your hand or objects near the ventilation holes — the air coming out is hot.
- When the projector is mounted on the ceiling, the Sony PSS-600 Projector Suspension Support must be used for installation.
- Be careful not to catch your fingers by the adjusters when you lift up the projector. Do not push hard on the top of the projector with the adjusters out.

On illumination

- To obtain the best picture, the front of the screen should not be exposed to direct lighting or sunlight.
- Ceiling-mounted spot lighting is recommended. Use a cover over fluorescent lamps to avoid lowering the contrast ratio.
- Cover any windows that face the screen with opaque draperies.
- It is desirable to install the projector in a room where floor and walls are not of light-reflecting material. If the floor and walls are of reflecting material, it is recommended that the carpet and wall paper be changed to a dark color.

On preventing internal heat build-up

After you turn off the power with the I /  key on the Remote Commander or on the control panel, do not disconnect the unit from the wall outlet while the cooling fan is still running.

Caution

The projector is equipped with ventilation holes (intake) at the bottom and ventilation holes (exhaust) on the front. Do not block or place anything near these holes, or internal heat build-up may occur, causing picture degradation or damage to the projector.

On cleaning

- To keep the cabinet looking new, periodically clean it with a soft cloth. Stubborn stains may be removed with a cloth lightly dampened with a mild detergent solution. Never use strong solvents, such as thinner, benzene, or abrasive cleansers, since these will damage the cabinet.
- Avoid touching the lens. To remove dust on the lens, use a soft dry cloth. Do not use a damp cloth, detergent solution, or thinner.
- Clean the filter at regular intervals.

On repacking

- Save the original shipping carton and packing material; they will come in handy if you ever have to ship your unit. For maximum protection, repack your unit as it was originally packed at the factory.

Features

High brightness, high picture quality

- **High brightness**

The LCD panel with higher aperture ratio and the 120 W UHP lamp allow high brightness (light output 900 ANSI lumen) and excellent uniformity on the picture.

- **High resolution**

By adopting three 1.3-inch, about 480,000-pixel SVGA panels, this projector offers resolution of 800×600 dots for RGB input and 600 horizontal TV lines for video input.

Simple setup

- **Sony original APA (Auto Pixel Alignment) function**

You can get the clearest picture automatically by simply pressing the APA key when the signal is input from a computer.

- **Simple setup with external equipment**

This projector has 38 kinds of preset data for input signals. You can get a suitable picture by connecting an equipment with supplied cable and pressing the APA key.

Easy presentation

- **Remote Commander with mouse control and laser pointer functions**

You can operate a computer with the Remote Commander since the unit has a build-in mouse receiver. For your presentation, you can use the laser pointer built in the Remote Commander as well.

- **High portability**

This projector has come to miniaturized to 5.9 kg (13 lb) of mass and 12 cm ($4\frac{3}{4}$ inches) of height. With such a feature, a carrying handle and a front cover to keep the Remote Commander contribute to a convenient carrying.

Accepts various input signals

- **Scan converter loaded**

This projector has a build-in scan converter which converts the input signal within 800×600 dots.

- **Compatible input signals**

This projector accepts video signals of the composite, S video, and component as well as the 15 k RGB, VGA¹⁾, SVGA¹⁾ XGA¹⁾, and SXGA¹⁾ signals, which all can be displayed.

- **Compatible with five color systems**

NTSC, PAL, SECAM, NTSC 4.43²⁾, or PAL-M color system can be selected automatically or manually.

Note on the VPL-S900E model

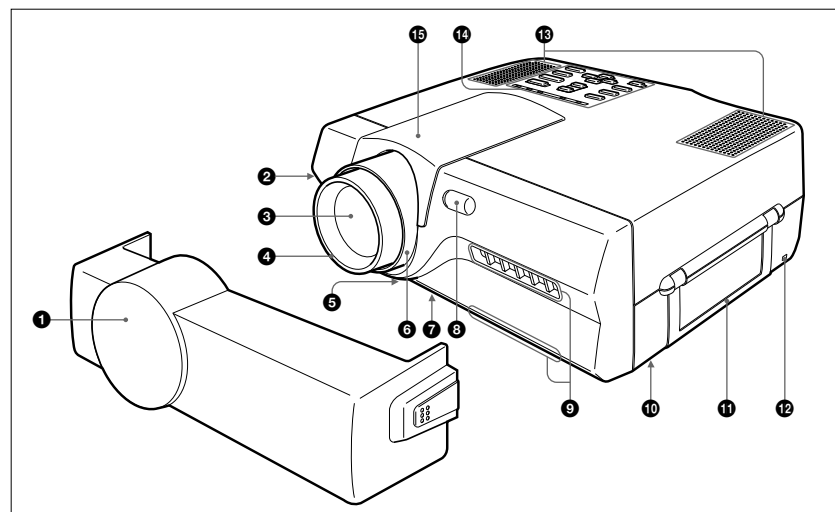
The optional IFB-X600E Interface Board is required for video composite input.

1) VGA, SVGA, XGA, and SXGA are registered trademarks of the International Business Machines Corporation, U.S.A.

8 (EN) 2) NTSC4.43 is the color system used when playing back a video recorded on NTSC on a NTSC4.43 system VCR.

Location and Function of Controls

Front



1 Front cover

Installs the Remote Commander in the back of the front cover.

2 Front adjuster button

3 Lens

Remove the front cover and the lens cap before projection.

4 Focus ring

Adjusts the picture focus.

5 Ventilation holes (bottom / intake)

6 Zoom ring

Adjusts the size of the picture.

7 Front adjuster

Used to keep the projector level if it is installed on an uneven surface.

For details on how to use the adjusters, see "How to use the adjusters" on page 11 (EN).

8 Front remote control detector

9 Ventilation holes (exhaust)

Notes

- Do not place anything near the ventilation holes as it may cause internal heat build-up.
- Do not place your hand or objects near the ventilation holes — the air coming out is hot.

10 Lamp cover (bottom)

11 Carrying handle

Used for carrying the projector.

12 Security lock

Connects to an optional security cable (Kensington's).

The security lock corresponds to Kensington's MicroSaver Security System.
If you have any comment, contact
Kensington
2853 Campus Drive, San Mateo, CA 94403
U.S.A.
Tel: 800-535-4242; extension 3348
Home page address: <http://www.kensington.com/>

Location and Function of Controls

13 Speakers

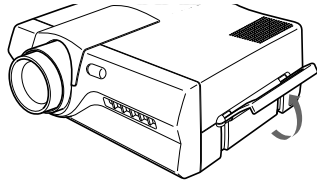
14 Control panel

For details, see "Control panel" on page 11 (EN).

15 Lens hood

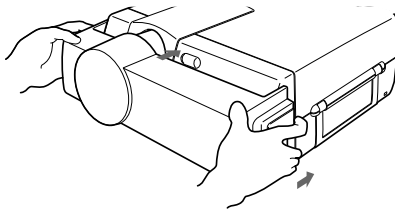
How to use the carrying handle

Pull up the handle from the projector for carrying.



How to attach the front cover

Attach the front cover on the front cabinet by stretching out both right and left sides on the front cover.

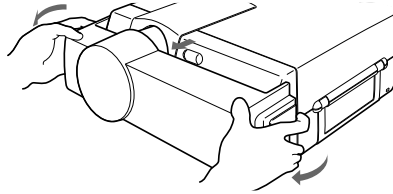


Notes

- Do not plug or turn on the projector when the front cover is attached.
- Do not hold the front cover when you carry the projector.

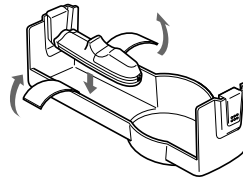
How to remove the front cover

Remove the front cover from the front cabinet by stretching out both right and left sides on the front cover.



How to install the Remote Commander in the front cover

Install the Remote Commander in the back of the front cover and fix it with the velcro tapes. When housing the Remote Commander, make sure that the infrared transmitter faces outside and rear faces upwards.



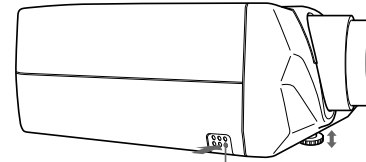
Note

Set the COMMAND ON/OFF switch on the Remote Commander to OFF before installing the Remote Commander.

How to use the adjusters

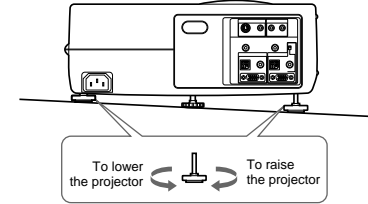
While lifting the projector, adjust the height so that the projector becomes level. There are one adjuster at the front and two at the rear of the projector.

As for the front adjuster, press the front adjuster button while lifting the projector to adjust the height. Turn the front adjuster for fine adjustment.



Front adjuster button

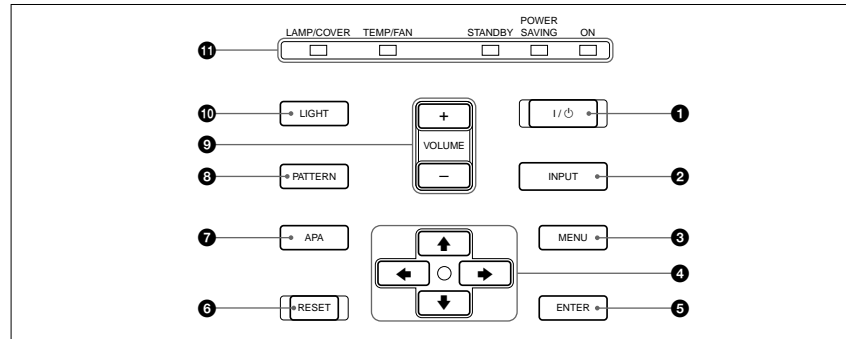
As for the rear adjusters, turn them for adjustment.



Notes

- Be careful not to let the projector down on your fingers.
- Do not push hard on the top of the projector with the adjusters out.
- Do not force the rear adjusters when you turn them. Using too much force may result in damage.

Control panel



1 I / ⏻ (on / standby) key

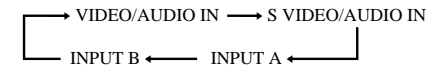
Turns on and off the projector when the projector is in the standby mode. The ON indicator lights in green when the power is turned on.

When turning off the power, press the I / ⏻ key twice following the message on the screen, or press and hold the key for about one second.

For details on steps for turning off the power, see "To turn off the power" on page 24 (EN).

2 INPUT key

Selects the input signal. Each time you press the key, the input signal switches as follows (When the RGB IN/OUT select switch is set to OUT, you cannot select INPUT B.):



Note on the VPL-S900E model

The optional IFB-X600E Interface Board is required for VIDEO IN and AUDIO IN jacks.

3 MENU key

Displays the on-screen menu. Press again to clear the menu.

4 Arrow keys (←/→/↑/↓)

Used to select the menu or to make various adjustments.

(Continued)

Location and Function of Controls

5 ENTER key

Enters the settings of items in the menu system.

6 RESET key

Resets the value of an item back to its factory preset value. This key functions when the menu or a setting item is displayed on the screen.

7 APA (Auto Pixel Alignment) key

Adjusts a picture to be projected clearest automatically while a signal from the computer is input.

8 PATTERN key

Displays an H pattern on the screen for focus, zoom adjustments. Press again to clear the pattern.

9 VOLUME +/- keys


Adjust the volume of the built-in speakers and output level of the AUDIO OUT jacks.

- + : Increases the volume.
- : Decreases the volume.


10 LIGHT key

Lights the back lighting (orange) for the keys on the control panel when the power is turned on. Press again to turn off the back lighting.

11 Indicators


ON: Lights in green when the power is turned on. Flashes in green while the cooling fan runs after turning off the power with the I /  key. The fan runs for about 90 seconds after turning off the power.

The ON indicator flashes quickly for the first 30 seconds.

During this time, you cannot turn the power back on with the I /  key.

POWER SAVING: Lights up when the projector is in the power saving mode. When POWER SAVING in the SET SETTING menu is set to ON, the projector goes into the power saving mode if no signal is input for 10 minutes. Although the lamp goes out, the cooling fan keeps running. In the power saving mode, any key does not function for the first 30 seconds. The power saving mode is canceled when a signal is input or any key is pressed.

STANDBY: Lights in red when the AC power cord is plugged into the wall outlet.

Once in the standby mode, you can turn on the projector with the I /  key on the Remote Commander or on the control panel.

TEMP (Temperature)/FAN: Lights up or flashes under the following conditions:

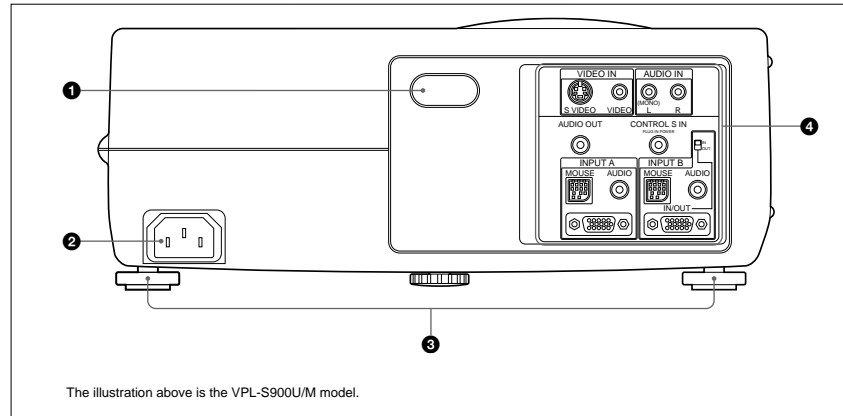
- Lights up when temperature inside the projector becomes unusually high.
- Flashes when the fan is broken.

LAMP/COVER: Lights up or flashes under the following conditions:

- Lights up when the lamp has reached the end of its life.
- Flashes when the lamp cover or air filter cover is not secured firmly.

For details on the LAMP/COVER and the TEMP/FAN indicators, see page 39 (EN).

Rear



1 Rear remote control detector

2 AC IN socket

Connects the supplied AC power cord.

3 Rear adjusters

Used to keep the projector level if it is installed on an uneven surface.

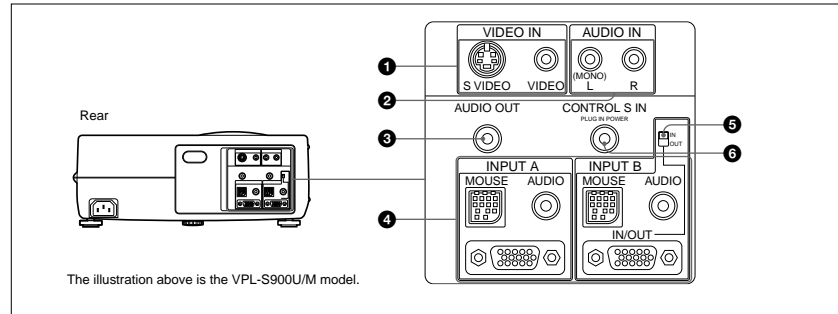
For details on using the adjusters, see "How to use the adjusters" on page 11 (EN).

4 Connector panel

For details, see page 14 (EN).

Location and Function of Controls

Connector panel



1 VIDEO IN jacks

Connect to external video equipment such as a VCR.
S VIDEO (mini DIN 4-pin): Connects to the S video output (Y/C video output) of a video equipment.
VIDEO (phono type): Connects to the composite video output of video equipment.

2 AUDIO IN L (MONO)/R jacks (phono type)

Connect to the audio output of equipment. For stereo equipment, use both the L and R jacks; for monaural equipment, use the L (MONO) jack only.

3 AUDIO OUT jack (stereo minijack)

Connects to external active speakers. The volume of the speakers can be controlled by the VOLUME keys on the Remote Commander or the control panel.

4 INPUT A/INPUT B connectors

Connect to external equipment such as a computer. You can control the mouse signal with the Remote Commander.

MOUSE (13-pin): Connects to the mouse port on a computer to control the mouse function using the supplied mouse cable.

AUDIO (stereo minijack): Connects to the audio output on a computer to input the audio signal.

RGB input (INPUT A) / RGB IN/OUT (INPUT B) (HD D-sub 15-pin, female): Connects to the monitor output on a computer using the supplied cable. When inputting a component, or 15k RGB signal, use the optional cable.

As for the RGB IN/OUT connector on INPUT B, you can use it as an output connector with the RGB IN/OUT select switch. This connector outputs the signal which input through the RGB input connector on INPUT A.

5 RGB IN/OUT select switch

Switches the input/output of the RGB IN/OUT connector on INPUT B.

IN: Functions as an input connector.

OUT: Functions as an output connector. The RGB IN/OUT connector outputs the signal which input through the RGB input connector on INPUT A. The MOUSE connector and AUDIO jack on INPUT B do not function at this time.

6 CONTROL S IN/PLUG IN POWER jack (DC 5 V output, stereo minijack)

Connects to the CONTROL S OUT jack on the supplied Remote Commander with the stereo connecting cable (not supplied) when using it as a wired Remote Commander. You do not need to install the batteries since the power is supplied via this jack. Batteries are required when you use the laser pointer function.

Note on the VPL-S900E model

The optional IFB-X600E Interface Board is required for the VIDEO IN 1 and AUDIO IN 2 jacks.

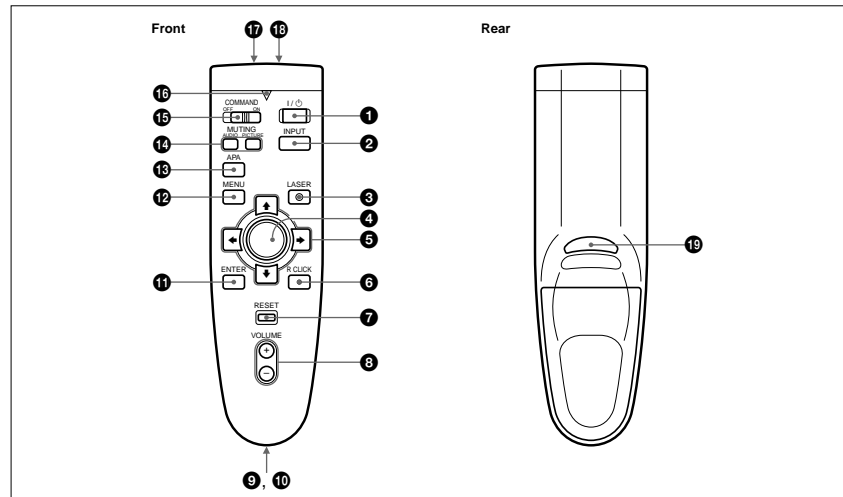
Remote Commander

The Remote Commander can be used as a wireless or wired Remote Commander. The keys which have the same names as on the control panel function identically. You can control a connected computer using the Remote Commander.

For details, see "Connecting with a Computer" on page 18 (EN).

Notes on laser beam

- Do not look into the laser transmitter.
- Do not aim the laser at people.



1 I / O key

2 INPUT key

3 LASER key

Emits laser beam from the laser transmitter when you press this key.

4 Joy stick

Functions as a mouse of a computer connected to the unit.

5 Arrow keys (←/→/↑/↓)

6 R CLICK key

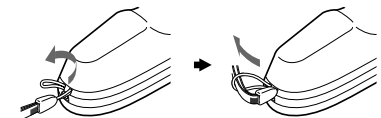
Functions as a right button on a mouse. When connected to a Macintosh¹⁾ computer, the R CLICK key functions as a mouse button.

7 RESET key

8 VOLUME +/- keys

9 Strap holder

Attaches the supplied strap.



(Continued)

Location and Function of Controls

10 CONTROL S OUT jack (stereo minijack)

Connects to the CONTROL S IN jack on the projector with the connecting cable (not supplied) when using the Remote Commander as a wired one. In this case, you do not need to install the batteries since the power is supplied via the CONTROL S IN jack on the projector.

11 ENTER key

12 MENU key

13 APA (Auto Pixel Alignment) key

14 MUTING keys

Cut off the picture and sound.

PICTURE: Cuts off the picture. Press again to restore the picture.

AUDIO: Cuts off the sound from speakers and AUDIO OUT jack. Press again or press the VOLUME + key to restore the sound.

15 COMMAND ON/OFF switch

When this switch is set to OFF, no key on the Remote Commander function. This saves the battery power.

16 Transmission indicator

Lights up when you press a key on the Remote Commander.

This indicator does not light up when you use the laser pointer.

17 Infrared transmitter

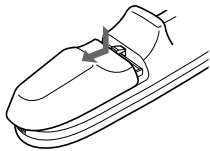
18 Laser transmitter

19 L CLICK key

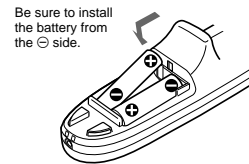
Functions as a left button on a mouse. When connected to a Macintosh computer, the L CLICK key functions as a mouse button.

Battery installation

1 Push and slide to open the lid.



2 Install the two size AA (R6) batteries (supplied) with the correct polarity.



3 Replace the lid.

Notes on batteries

- Make sure that the battery orientation is correct when inserting batteries.
- Do not mix an old battery with a new one, or different types of batteries.
- If you will not use the Remote Commander for a long time, remove the batteries to avoid damage from battery leakage. If batteries have leaked, remove them, wipe the battery compartment dry and replace the batteries with new ones.

Notes on wireless Remote Commander operation

- Make sure that there is nothing to obstruct the infrared beam between the Remote Commander and the remote control detector on the projector.
- The operation range is limited. The shorter the distance between the Remote Commander and the projector is, the wider the angle within which the commander can control the projector.
- The remote control detectors on the projector do not function when the connecting cable (not supplied) is connected to the projector. When using the Remote Commander as a wireless Remote Commander, remove the connecting cable from both the Remote Commander and the projector.

Note on wired Remote Commander operation

The laser pointer function does not work when you use the Remote Commander as a wired one without batteries.

Installing the Projector

This section describes the installation arrangements for installing the projector on a table. For ceiling installation, consult with qualified Sony personnel (see page 34 (EN)).

Adjust the vertical and horizontal positioning of the projector.

Vertical positioning (side view)

Horizontal positioning (top view)

Center of the lens
57.5 mm
(2 3/8 inches)
Center of the unit

Note

Install the projector to be level.
Avoid followings which may cause malfunction.

- The projector topples over on its side.
- The projector tilts more than 20 degrees.

The distance between the lens and the screen varies depending on the size of the screen. Use the following table as a guide.

The following table shows the projection distance when the SVGA signal (horizontal 800 x vertical 600 dots) is input.

- When XGA/SXGA signal is input, the projection distance becomes shorter by 1.6%.
- When the Macintosh 16-inch mode or HDTV signal is input, the projection distance becomes shorter by 4%.

| | | Unit: m (feet) | | | | | | | | | | |
|----------------------|---------|----------------|------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|--|
| Screen size (inches) | | 40 | 60 | 80 | 100 | 120 | 150 | 180 | 200 | 250 | 300 | |
| Distance | Minimum | 1.6 (5.2) | 2.4 (7.9) | 3.2 (10.6) | 4.1 (13.4) | 4.9 (16.1) | 6.2 (20.2) | 7.4 (24.3) | 8.2 (27.0) | 10.3 (33.9) | 12.4 (40.7) | |
| | Maximum | 2.0 (6.6) | 3.0 (10.0) | 4.1 (13.4) | 5.1 (16.8) | 6.2 (20.3) | 7.8 (25.4) | 9.3 (30.5) | 10.4 (34.0) | 13.0 (42.6) | 15.6 (51.1) | |

For detailed information on installation measurements, see page 33 (EN).

Connecting

Note on the VPL-S900E model

The optional IFB-X600E Interface Board is required for the VIDEO IN and AUDIO IN jacks.

Connecting with a Computer

This section describes how to connect the projector with a computer. For details on how to connect VCR or other equipment, see page 20 (EN).

When the projector is connected to a computer, you can control the mouse of a computer by the Remote Commander. The R/L CLICK keys and joy stick function as follows.

Note

Make sure that there is nothing to obstruct the infrared beam between the Remote Commander and the remoter control detector on the projector.

| Key and joy stick | Function | |
|-------------------|---|--------------|
| | IBM PC/AT ^{a)} compatible, Serial | Macintosh |
| R CLICK (front) | Right button | Mouse button |
| L CLICK (rear) | Left button | Mouse button |
| Joy stick | Corresponds with the movements of the mouse | |

a) IBM PC/AT is a registered trademark of International Business Machines Corporation, U.S.A.

Also refer to the instruction manual of equipment to be connected.

Notes

- This unit accepts the VGA, SVGA, XGA, and SXGA signals. However, we recommend you to set the output mode of your computer to the SVGA mode for the external monitor. (For Macintosh computer, set the output mode to 16-inch mode.)
- If you set your computer, such as a notebook type IBM PC/AT compatible, to output the signal to both the display of your computer and the external monitor, the picture of the external monitor may not appear properly. In such cases, set the output mode of your computer to output the signal to only the external monitor.

For details, refer to the operating instructions supplied with your computer.

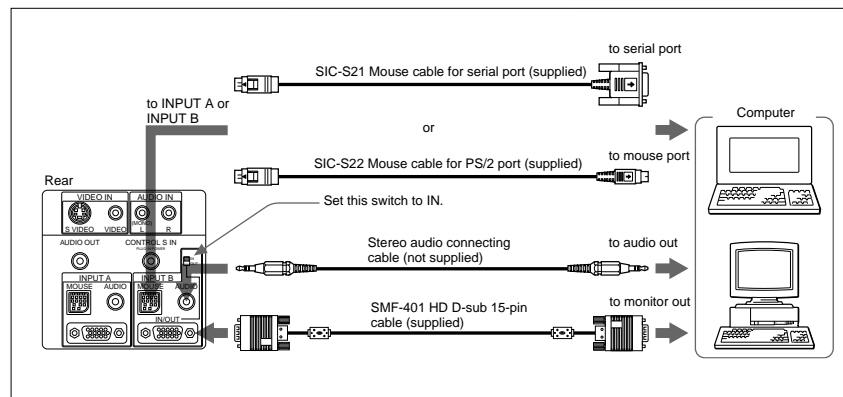
When making connections, be sure to:

- turn off all equipment before making any connections.
- use the proper cables for each connection.
- insert the plugs of the cables properly; plugs that are not fully inserted often generate noise. When pulling out a cable, be sure to pull it out from the plug, not the cable itself.

Notes

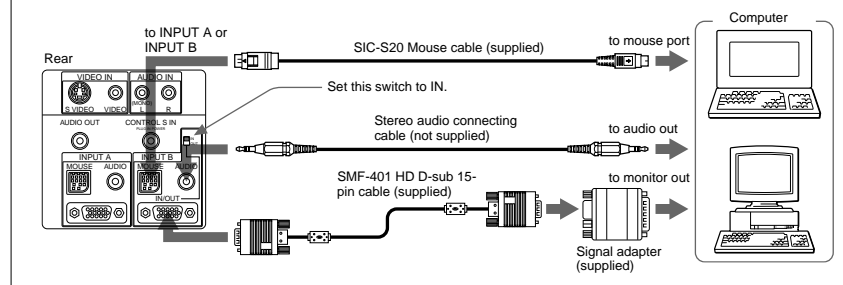
- Connect all the connecting cables to the INPUT A connector when you input a signal from the INPUT A connector. Connect all the cables to the INPUT B connector when you input a signal from the INPUT B connector as well.
- When connecting to INPUT B, make sure that the RGB IN/OUT select switch is set to IN.
- Supplied mouse cable may not work properly according to your computer.

When connecting with an IBM PC/AT compatible computer



When connecting with a Macintosh computer

For details on the DIP switch setting of the adapter, see page 43 (EN).



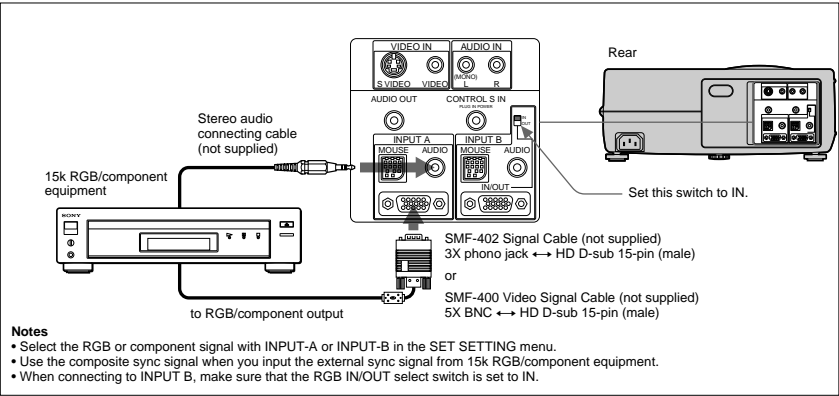
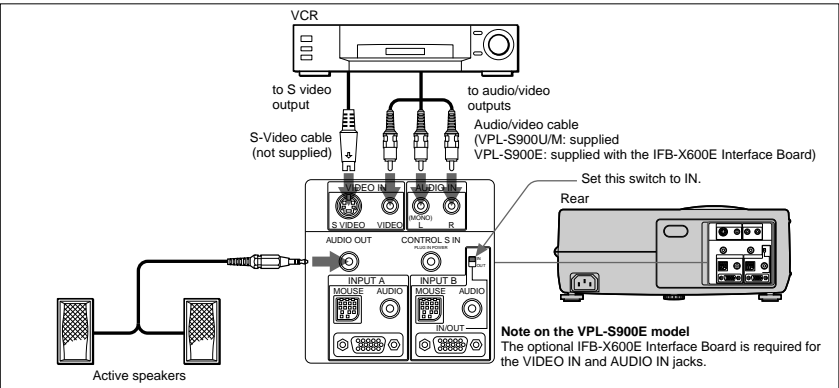
Connecting

Connecting with a VCR, 15k RGB/Component Equipment

This section describes how to connect the projector with a VCR, external active speakers and 15k RGB/component equipment.
For details on how to connect a computer, see page 18 (EN).
Also refer to the instruction manuals of equipment to be connected.

When making connections, be sure to:

- turn off all equipment before making any connections.
- use the proper cables for each connection.
- insert the plugs of the cables properly; plugs that are not fully inserted often generate noise. When pulling out a cable, be sure to pull it out from the plug, not the cable itself.



Notes

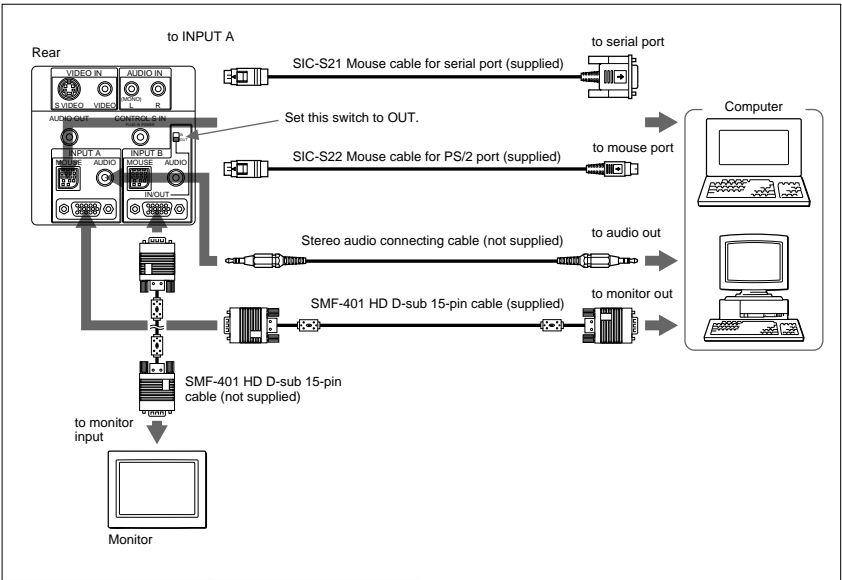
- Select the RGB or component signal with INPUT-A or INPUT-B in the SET SETTING menu.
- Use the composite sync signal when you input the external sync signal from 15k RGB/component equipment.
- When connecting to INPUT B, make sure that the RGB IN/OUT select switch is set to IN.

Using the RGB IN/OUT connector on INPUT B as a monitor output connector

This section describes connections when using the RGB IN/OUT connector on INPUT B as a monitor output connector.

When making connections, be sure to:

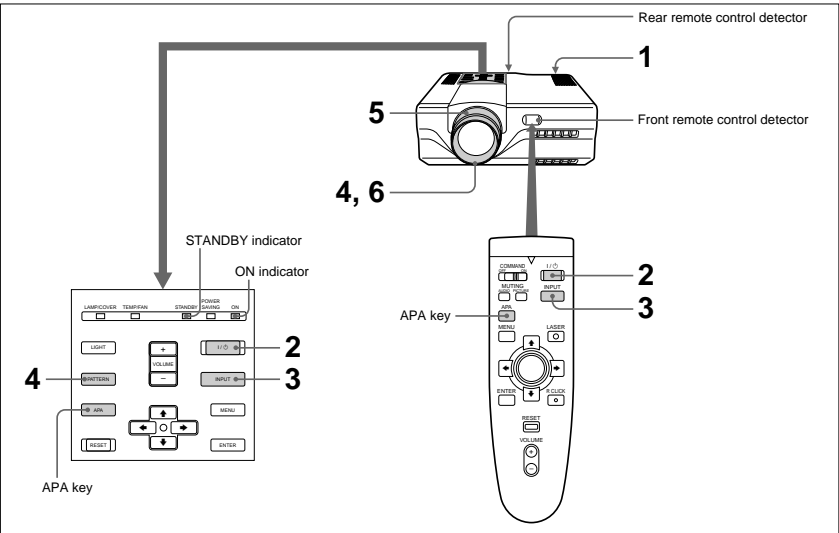
- turn off all equipment before making any connections.
- use the proper cables for each connection.
- insert the plugs of the cables properly; plugs that are not fully inserted often generate noise. When pulling out a cable, be sure to pull it out from the plug, not the cable itself.
- Make sure that the RGB IN/OUT select switch is set to OUT.



Note

When the RGB IN/OUT select switch is set to OUT, the MOUSE connector and AUDIO jack on INPUT B do not function.

Projecting



- 1** After all equipment is connected completely, plug the AC power cord into the wall outlet.
The **STANDBY** indicator lights in red and the projector goes into the standby mode.
- 2** Press the **I / ⏻** key on the Remote Commander or on the control panel.
The **ON** indicator lights in green.
- 3** Turn on equipment connected to the projector. Press the **INPUT** key on the Remote Commander or on the control panel to select the input source.
- INPUT A:** Selects audio and video signals input from the **INPUT A** connector.
- INPUT B:** Selects audio and video signals input from the **INPUT B** connector.
- VIDEO:** Selects audio and video signals input from the **AUDIO IN/VIDEO (VIDEO IN)** jacks.
- S VIDEO:** Selects audio and video signals input from the **AUDIO IN/S VIDEO (VIDEO IN)** jacks.

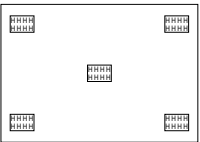
Note

The **AUDIO IN** jacks are used as audio outputs of both **VIDEO** and **S VIDEO**.

Note on the VPL-S900E model

The optional **IFB-X600E** Interface Board is required for selecting **VIDEO**.

- 4** Press the **PATTERN** key on the control panel to display the **H** pattern, and turn the focus ring to adjust the focus.



Press the **PATTERN** key again to clear the pattern.

- 5** Turn the zoom ring to adjust the size of the picture.
- 6** Turn the focus ring again to adjust the focus.

Note

Do not look into the lens when the projector lamp is on.

| To | Press |
|----------------------------|--|
| Adjust the volume | the VOLUME +/- keys on the control panel or on the Remote Commander. |
| Cut off the sound | the AUDIO MUTING key on the Remote Commander. To restore the sound, press the AUDIO MUTING key again or press the VOLUME + key. |
| Cut off the picture | the PICTURE MUTING key on the Remote Commander. To restore the picture, press the PICTURE MUTING key again. |

To get the clearest picture

You can get the suitable picture when a signal from the computer is input. Press the **APA** key on the Remote Commander or on the control panel. The picture is automatically adjusted to be projected clearest.


Notes

- Adjust the signal when the still picture is displayed on the screen.
- If you switch the input signal or re-connect a computer, press the **APA** key again to get the suitable picture.
- “**ADJUSTING**” appears on the screen. Press the **APA** key again during the adjustment to restore the original screen.
- “**Complete!**” appears on the screen when the picture is adjusted properly. The picture may not be adjusted properly depending on the kinds of input signals.
- Adjust **DOT PHASE** in the **INPUT SETTING** menu when you adjust the picture manually.

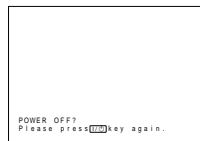
For details on **DOT PHASE**, see page 28 (EN).

Projecting


To turn off the power


- 1 Press the I /  key on the Remote Commander or on the control panel.


The following message appears to confirm if you want to turn off the power.



Note


The message will disappear if you press any key except the I /  key, or if you do not press any key for five seconds.

- 2 Press the I /  key on the Remote Commander or on the control panel again.

The ON indicator flashes in green and the fan continues to run for about 90 seconds to reduce the internal heat. Also, the ON indicator flashes quickly for the first 30 seconds. During this time, you will not be able to turn the power back on with the I /  key.

- 3 Unplug the AC power cord from the wall outlet after the fan stops running and the STANDBY indicator lights in red.

When you cannot confirm the on-screen message

When you cannot confirm the on-screen message in a certain condition, you can turn off the power by holding the I /  key on the Remote Commander or on the control panel for about one second.

Note

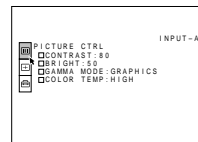
Do not unplug the AC power cord while the fan is still running; otherwise, the fan will stop although the internal heat is still high, leading to breakdown of the projector.




Using the MENU

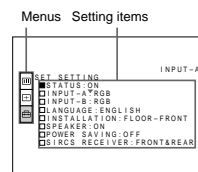
The projector is equipped with an on-screen menu for making various adjustments and settings.

To select the language used in the menu, see page 32 (EN).

- 1 Press the MENU key.
The menu display appears.
The menu presently selected is highlighted in blue.



- 2 Use the  or  key to select a menu, then press the  or ENTER key.
The selected menu appears.



- 3 Make setting or adjustment on an item.
For details on setting individual items, see the relevant menu pages.

To clear the menu display

Press the MENU key.
The menu display disappears automatically if no key is pressed for one minute.

To reset items that have been adjusted

Press the RESET key.

"Complete!" appears on the screen and the settings appearing on the screen will be reset to their factory preset values.

Items which can be reset are:

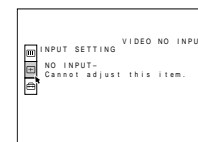
- "CONTRAST", "BRIGHT", "COLOR", "HUE", and "SHARP" in the PICTURE CTRL menu
- "DOT PHASE", "SIZE", and "SHIFT" in the INPUT SETTING menu.

About the memory of the settings

The settings are automatically stored in the projector memory.

When no signal is input

When there is no input signal, "NO INPUT- Cannot adjust this item." appears on the screen, and each item cannot be adjusted.

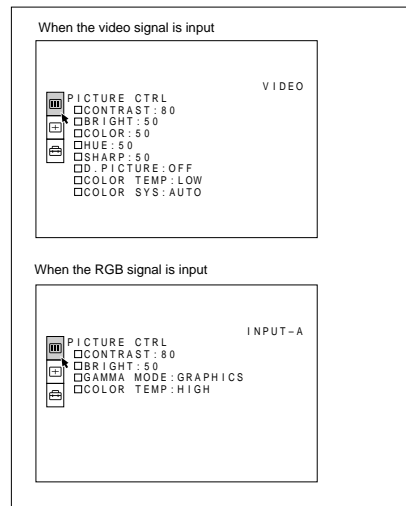


The PICTURE CTRL Menu

The PICTURE CTRL (control) menu is used for adjusting the picture.
Unadjustable items depending on the input signal are not displayed in the menu.

Note on the VPL-S900E model

The optional IFB-X600E Interface Board is required for inputting the video signal. If you do not install the video board into the unit, the video signal cannot be selected.



Operation

1. Select an item

Use the \blacktriangle or \blacktriangledown key to select the item, then press the \rightarrow or ENTER key.

2. Adjust an item

- When changing the adjustment level:
To increase the number, press the \blacktriangle or \rightarrow key.
To decrease the number, press the \blacktriangledown or \leftarrow key.
Press the ENTER key to restore the original screen.
- When changing the setting:
Press the \blacktriangle or \blacktriangledown key to change the setting.
Press the ENTER or \blacktriangle key to restore the original screen.

CONTRAST

Adjusts the picture contrast.



The higher the setting, the greater the contrast.
The lower the setting, the lower the contrast.

BRIGHT

Adjusts the picture brightness.



The higher the setting, the brighter the picture.
The lower the setting, the darker the picture.

COLOR

Adjusts color intensity.



The higher the setting, the greater the intensity.
The lower the setting, the lower the intensity.

HUE

Adjusts skin tones.



A higher the setting, the picture becomes greenish.
A lower the setting, the picture becomes purplish.

SHARP

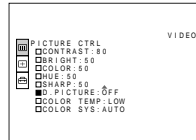
Adjusts the picture sharpness.



The higher the setting, the sharper the picture.
The lower the setting, the softer the picture.

D. (Dynamic) PICTURE

Emphasizes the black color.

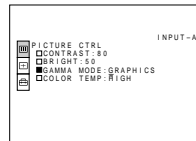


ON: Emphasizes the black color to produce a bolder "dynamic" picture.

OFF: Reproduces the dark portions of the picture accurately, in accordance with the source signal.

GAMMA MODE

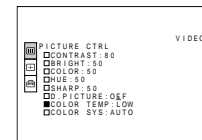
Selects a gamma correction curve.



GRAPHICS: Improves the reproduction of half tones. Photos can be reproduced in natural tones.
TEXT: Contrasts black and white. Suitable for images that contains lots of text.

COLOR TEMP

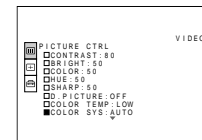
Adjusts the color temperature.



HIGH: Makes the white color bluish.
LOW: Makes the white color reddish.

COLOR SYS (System)

Selects the color system of the input signal.



Normally, set to AUTO.
If the picture is distorted or colorless, select the color system according to the input signal.

Input signals and adjustable/setting items

| Item | Input signal | | | |
|------------|--------------------------|-----------|-----|-----|
| | Video or S video (Y/C) | Component | RGB | B&W |
| CONTRAST | ● | ● | ● | ● |
| BRIGHT | ● | ● | ● | ● |
| COLOR | ● | ● | — | — |
| HUE | ● (NTSC358/4.43 only) | — | — | — |
| SHARP | ● | ● | — | — |
| D. PICTURE | ● | ● | — | ● |
| GAMMA MODE | — | — | ● | — |
| COLOR TEMP | ● | ● | ● | ● |
| COLOR SYS | ● | — | — | ● |

● : Adjustable/can be set
— : Not adjustable/can not be set

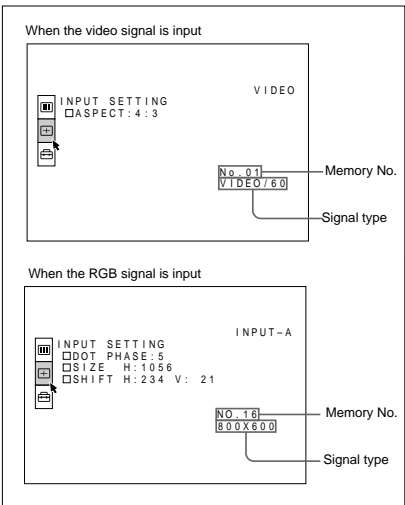
The INPUT SETTING Menu

The INPUT SETTING menu is used to adjust the input signal.

Unadjustable items depending on the input signal are not displayed in the menu.

Note on the VPL-S900E model

The optional IFB-X600E Interface Board is required for inputting the video signal. If you do not install the video board into the unit, the video signal cannot be selected.



Operation

1. Select an item

Use the \blacktriangle or \blacktriangledown key to select the item, then press the \blackrightarrow or ENTER key.

2. Adjust an item

- When changing the adjustment level:
To increase the number, press the \blacktriangle or \blackrightarrow key.
To decrease the number, press the \blacktriangledown or \blackleftarrow key.
Press the ENTER key to restore the original screen.
- When changing the setting:
Press the \blacktriangle or \blacktriangledown key to change the setting.
Press the ENTER or \blackrightarrow key to restore the original screen.

Note

When the HDTV signal is input, the items in the INPUT SETTING menu cannot be adjusted.

DOT PHASE

Adjusts the dot phase of the LCD panel and the signal input from the INPUT A/B connectors. Adjust the picture further for finer picture after the picture is adjusted with pressing the APA key.

Adjust the picture to where it looks clearest.



SIZE

Adjusts the horizontal size of picture input from the INPUT A/B connectors.



The higher the setting, the larger the horizontal size of the picture.
The lower the setting, the smaller the horizontal size of the picture. Adjust the setting according to the dots of the input signal. For details on the suitable value for the preset signals, see page 30 (EN).

SHIFT

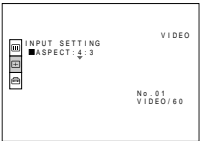
Adjusts the position of the picture input from the INPUT A/B connectors.



H adjusts the horizontal position of the picture.
V adjusts the vertical position of the picture.
As the setting for H increases, the picture moves to the right, and as the setting decreases, the picture moves to the left.
As the setting for V increases, the picture moves up, and as the setting decreases, the picture moves down.
Use the \blacktriangle or \blackrightarrow key to adjust the horizontal position and the \blacktriangledown or \blackleftarrow key for the vertical position.

ASPECT

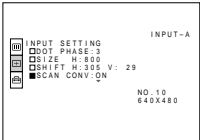
Sets the aspect ratio of the picture.
When inputting 16:9 (squeezed) signal from equipment such as a DVD player, set to 16:9.



4:3: When the picture with ratio 4:3 is input.
16:9: When the picture with ratio 16:9 (squeezed) is input.

SCAN CONV (Scan converter)

Converts the signal to display the picture according to the screen size.



ON: Displays the picture according to the screen size.
The picture will lose some clarity.
OFF: Displays the picture while matching one pixel of input picture element to that of the LCD. The picture will be clear but the picture size will be smaller.

Note

When the SVGA, XGA or SXGA signal is input, this item will not be displayed.

Input signals and adjustable/setting items

| Item | Input signal | | | |
|-----------|------------------------|-------------------|-----|-----|
| | Video or S video (Y/C) | 15k RGB Component | RGB | B&W |
| DOT PHASE | — | — | ● | — |
| SIZE | — | — | ● | — |
| SHIFT | — | — | ● | — |
| ASPECT | ● | ● | — | ● |
| SCAN CONV | — | — | ● | — |

●: Adjustable/can be set
—: Not adjustable/can not be set

About the preset memory No.

This projector has 38 kinds of preset data for input signals for each INPUT A/B (the preset memory). The memory number of the current input signal and the signal type are displayed when the preset signal is input. This projector automatically detects the signal type. When the signal is registered to the preset memory, a suitable picture is displayed on the screen according to the signal type. You can adjust the picture through the INPUT SETTING menu.
This projector also has 20 kinds of user memories for each INPUT A/B. When an unpreset signal is input for the first time, memory number is displayed as 00. If the input signal is adjusted in the INPUT SETTING menu, the setting via INPUT A is stored under the memory number 51 to 70, and the setting via INPUT B is stored under 71 to 90. When more than 20 user memories are registered for each INPUT A/B, the newest memory is automatically stored over the oldest one.

The INPUT SETTING Menu

Preset signals

| Memory No. | Preset signal | fH (kHz) | fV (Hz) | Sync | SIZE |
|------------|--|----------|---------|-------------|------|
| 1 | Video 60 Hz | 15.734 | 59.940 | H-neg V-neg | |
| 2 | Video 50 Hz | 15.625 | 50.000 | H-neg V-neg | |
| 3 | 15k RGB/Component 60 Hz | 15.734 | 59.940 | H-neg V-neg | |
| 4 | 15k RGB/Component 50 Hz | 15.625 | 50.000 | H-neg V-neg | |
| 6 | 640 x 350 VGA mode 1 | 31.469 | 70.086 | H-pos V-neg | 800 |
| 7 | VGA VESA ^{a)} 85 Hz | 37.861 | 85.080 | H-pos V-neg | 832 |
| 8 | 640 x 400 PC-9801 ^{b)} Normal | 24.823 | 56.416 | H-neg V-neg | 848 |
| 9 | VGA mode 2 | 31.469 | 70.086 | H-neg V-pos | 800 |
| 10 | VGA VESA 85 Hz | 37.861 | 85.080 | H-neg V-pos | 832 |
| 11 | 640 x 480 VGA mode 3 | 31.469 | 59.940 | H-neg V-neg | 800 |
| 12 | Macintosh 13" | 35.000 | 66.667 | H-neg V-neg | 864 |
| 13 | VGA VESA 72 Hz | 37.861 | 72.809 | H-neg V-neg | 832 |
| 14 | VGA VESA 75 Hz | 37.500 | 75.000 | H-neg V-neg | 840 |
| 15 | VGA VESA 85 Hz | 43.269 | 85.008 | H-neg V-neg | 832 |
| 16 | 800 x 600 SVGA VESA 56 Hz | 35.156 | 56.250 | H-pos V-pos | 1024 |
| 17 | SVGA VESA 60 Hz | 37.879 | 60.317 | H-pos V-pos | 1056 |
| 18 | SVGA VESA 72 Hz | 48.077 | 72.188 | H-pos V-pos | 1040 |
| 19 | SVGA VESA 75 Hz | 46.875 | 75.000 | H-pos V-pos | 1056 |
| 20 | SVGA VESA 85 Hz | 53.674 | 85.061 | H-pos V-pos | 1048 |
| 21 | 832 x 624 Macintosh 16" | 49.724 | 74.550 | H-neg V-neg | 1152 |
| 22 | 1024 x 768 XGA VESA 43 Hz | 35.522 | 43.479 | H-pos V-pos | 1264 |
| 23 | XGA VESA 60 Hz | 48.363 | 60.004 | H-neg V-neg | 1344 |
| 24 | XGA VESA 70 Hz | 56.476 | 70.069 | H-neg V-neg | 1328 |
| 25 | XGA VESA 75 Hz | 60.023 | 75.029 | H-pos V-pos | 1312 |
| 26 | XGA VESA 85 Hz | 68.677 | 84.997 | H-pos V-pos | 1376 |
| 27 | 1152 x 864 SXGA VESA 70 Hz | 63.995 | 70.016 | H-pos V-pos | 1472 |
| 28 | SXGA VESA 75 Hz | 67.500 | 75.000 | H-pos V-pos | 1600 |
| 29 | SXGA VESA 85 Hz | 77.487 | 85.057 | H-pos V-pos | 1568 |
| 30 | 1152 x 900 Sunmicro LO | 61.795 | 65.960 | H-neg V-neg | 1504 |
| 31 | Sunmicro HI | 71.713 | 76.047 | H-neg V-neg | 1472 |
| 32 | 1280 x 960 SXGA VESA 60 Hz | 60.000 | 60.000 | H-pos V-pos | 1800 |
| 33 | SXGA VESA 75 Hz | 75.000 | 75.000 | H-pos V-pos | 1728 |
| 34 | 1280 x 1024 SXGA VESA 43 Hz | 46.433 | 43.436 | H-pos V-pos | 1696 |
| 35 | SGI-5 | 53.316 | 50.062 | Sync on G | 1680 |
| 36 | SXGA VESA 60 Hz | 63.974 | 60.013 | H-pos V-pos | 1696 |
| 37 | SXGA VESA 75 Hz | 79.976 | 75.025 | H-pos V-pos | 1688 |
| 38 | SXGA VESA 85 Hz | 91.146 | 85.024 | H-pos V-pos | 1012 |

a) VESA is a registered trademark of Video Electronics Standard Association.

b) PC-98 is a registered trademark of NEC Corporation.

Since the data is recalled from the preset memory about the following signals, you can use these preset data by adjusting SIZE. Make fine adjustment by adjusting SHIFT.

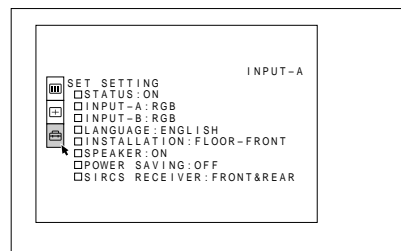
| Signal | Memory No. | SIZE |
|---------------------|------------|------|
| Super Mac-2 | 23 | 1312 |
| SGI-1 | 23 | 1320 |
| Macintosh 19" | 25 | 1328 |
| Macintosh 21" | 28 | 1456 |
| Sony News | 36 | 1708 |
| PC-9821 1280 x 1024 | 36 | 1600 |
| WS Sunmicro | 37 | 1664 |

Note

When the aspect ratio of input signal is other than 4:3, a part of the screen is displayed in black.

The SET SETTING Menu

The SET SETTING menu is used for changing the settings of the projector.



Operation

1. Select an item

Use the \blacktriangle or \blacktriangledown key to select the item, then press the \blacktriangleright or ENTER key.

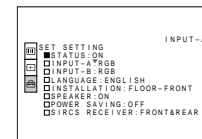
2. Change the setting

Press the \blacktriangle or \blacktriangledown key to change the setting.

To restore the original screen, press the ENTER or \blacktriangleleft key.

STATUS (on-screen display)

Sets up the on-screen display.



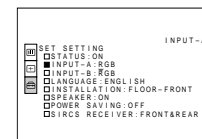
ON: Shows all of the on-screen displays.

OFF: Turns off the on-screen displays except for the menus, a message when turning off the power, and warning messages.

For details on the warning messages, see page 39 (EN).

INPUT-A

Selects the RGB or component signal input from the INPUT A connector.

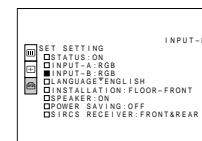


Note

If the setting is not correct, "Please check INPUT-A in SET SETTING." appears on the screen and the color of the picture becomes strange or the picture is not displayed.

INPUT-B

Selects the RGB or component signal input from the INPUT B connector.



Note

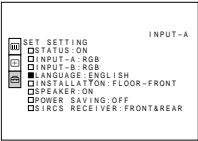
If the setting is not correct, "Please check INPUT-B in SET SETTING." appears on the screen and the color of the picture becomes strange or the picture is not displayed.

(Continued)

The SET SETTING Menu

LANGUAGE

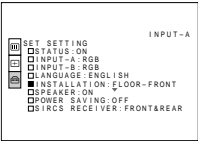
Selects the language used in the menu and on-screen displays.



Available languages are: English, French, German, Italian, Spanish, Japanese and Chinese.

INSTALLATION

Sets to reverse the picture horizontally or vertically.



FLOOR-FRONT: The picture is not reversed.

CEILING-FRONT: The picture is reversed horizontally and vertically.

FLOOR-REAR: The picture is reversed horizontally.

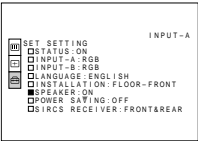
CEILING-REAR: The picture is reversed vertically.

Note

In case of using a mirror, be careful of installation since the picture may be reversed.

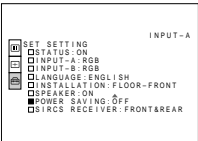
SPEAKER

Set to OFF to cut off the sound of the internal speakers. When set to OFF, "SPEAKER OFF" appears on the screen when you turn on the power.



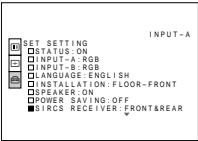
POWER SAVING

When set to ON, the projector goes into the power saving mode if no signal is input for 10 minutes.



SIRCS RECEIVER

Selects the remote control detectors on the front and rear of the projector.



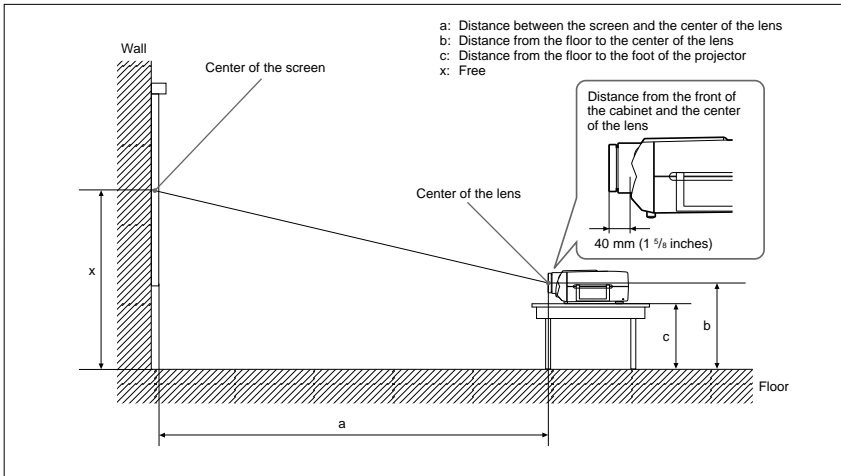
FRONT & REAR: Activates both the front and rear detectors.

FRONT: Activates the front detector only.

REAR: Activates the rear detector only.

Installation Examples

Floor Installation



| | | Unit: mm (inches) | | | | | | | | | |
|----------------------|---------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Screen size (inches) | | 40 | 60 | 80 | 100 | 120 | 150 | 180 | 200 | 250 | 300 |
| a | Minimum | 1570 (61 7/8) | 2400 (94 1/2) | 3240 (127 5/8) | 4070 (160 3/8) | 4900 (193) | 6150 (242 1/4) | 7410 (291 3/8) | 8240 (324 1/2) | 10320 (406 3/8) | 12410 (488 3/4) |
| | Maximum | 2000 (78 3/4) | 3040 (119 3/4) | 4090 (161 1/8) | 5130 (202) | 6180 (243 3/8) | 7750 (305 1/4) | 9310 (366 5/8) | 10360 (408) | 12970 (510 3/4) | 15580 (613 1/2) |
| b | | x-292 (11 5/8) | x-439 (17 3/8) | x-585 (23 1/8) | x-731 (28 7/8) | x-877 (34 3/8) | x-1097 (43 1/4) | x-1316 (51 7/8) | x-1462 (57 7/8) | x-1828 (72) | x-2194 (86 3/8) |
| c | | x-376 (14 3/4) | x-522 (20 5/8) | x-668 (26 3/8) | x-815 (32 1/8) | x-961 (37 7/8) | x-1180 (46 1/2) | x-1399 (55 1/8) | x-1546 (60 7/8) | x-1911 (75 3/8) | x-2277 (89 3/4) |

To calculate the installation measurement (unit: mm)

SS: screen size diagonal (inches)

a (minimum) = {(SS × 52.83/1.2992) – 95.03} × 1.025

a (maximum) = {(SS × 69.64/1.2992) – 96.17} × 0.975

b = x – (SS/1.2992 × 9.5)

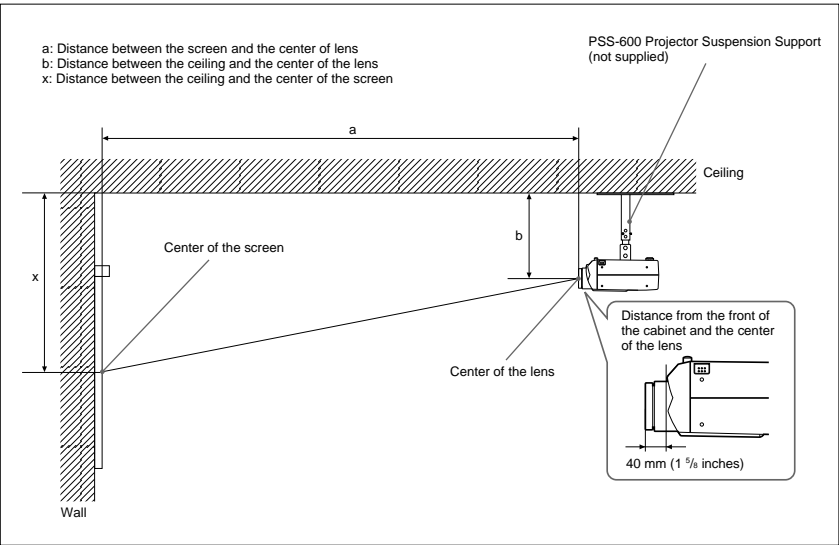
c = x – (SS/1.2992 × 9.5 + 83.3)

Installation Examples

Ceiling Installation

When installing the projector on the ceiling, use the PSS-600 Projector Suspension Support.

For ceiling installation, consult with qualified Sony personnel.



| | | Unit: mm (inches) | | | | | | | |
|----------------------|---------|--|-------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Screen size (inches) | | 80 | 100 | 120 | 150 | 180 | 200 | 250 | 300 |
| a | Minimum | 3240 (127 3/8) | 4070 (160 3/8) | 4900 (193) | 6150 (242 1/4) | 7410 (291 7/8) | 8240 (324 1/2) | 10320 (406 3/8) | 12410 (488 3/4) |
| | Maximum | 4090 (161 1/8) | 5130 (202) | 6180 (243 3/8) | 7750 (305 1/4) | 9310 (366 5/8) | 10360 (408) | 12970 (510 3/4) | 15580 (613 1/2) |
| x | | b+585 (23 1/8) | b+731 (28 7/8) | b+877 (34 5/8) | b+1097 (43 1/4) | b+1316 (51 7/8) | b+1462 (57 5/8) | b+1828 (72) | b+2194 (86 1/2) |
| b | | 226/251/276/326/351/376 mm (9/10/10 7/16/12 7/16/13 7/16/14 7/16 inches) adjustable when using PSS-600 | | | | | | | |

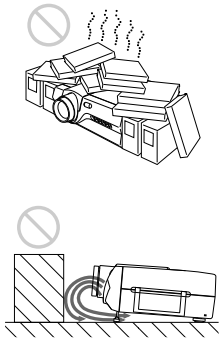
To calculate the installation measurement (unit: mm)

SS: screen size diagonal (inches)
a (minimum) = {(SS × 52.83/1.2992) – 95.03} × 1.025
a (maximum) = {(SS × 69.64/1.2992) – 96.17} × 0.975
x = b + SS/1.2992 × 9.5

Unsuitable Installation

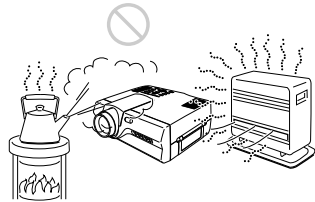
Do not install the projector in the following situations. These installations may cause malfunction or damage to the projector.

Poorly ventilated



- Allow adequate air circulation to prevent internal heat build-up. Do not place the unit on surfaces (rugs, blankets, etc.) or near materials (curtains, draperies) that may block the ventilation holes. When the internal heat builds up due to the block-up, the temperature sensor will function with the message "High Temperature! Power off in 1 min." The power will be turned off automatically after one minute.
- Leave space of more than 30 cm (11 7/8 inches) around the front ventilation holes.
- Be careful that the bottom ventilation holes may inhale tininess such as a piece of paper.
- If you put something in front of the front ventilation holes, the exhaust may be inhaled into the projector through the ventilation holes at the bottom, causing the internal temperature to rise, which activates the protection circuit. Install the projector so that the exhaust is not blocked.

Highly heated and humid



- Avoid installing the unit in a location where the temperature or humidity is very high, or temperature is very low.
- To avoid moisture condensation, do not install the unit in a location where the temperature may rise rapidly.

Very dusty

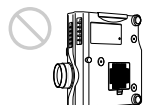


Avoid installing the unit in a location where there is a lot of dust; otherwise, the air filter will be obstructed. The dust blocking the air through the filter may cause raising the internal heat of the projector. Clean it up periodically.

Notes on Installation

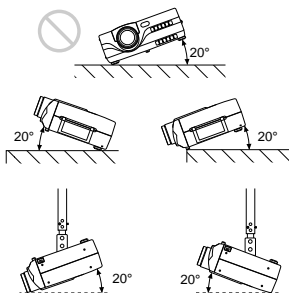
Carry out the followings.

No toppling of the unit



Avoid using as the unit topples over on its side. It may cause malfunction.

Use to be level

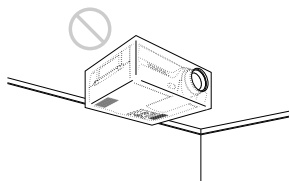


Avoid using as the unit tilts more than 20 degrees. Do not install the unit other than on the floor or ceiling. These installation may cause malfunction.

No blocking the ventilation holes



Avoid using something to cover over the front ventilation holes; otherwise, the internal heat may build up.



Maintenance

Note on the Time to Replace the Lamp

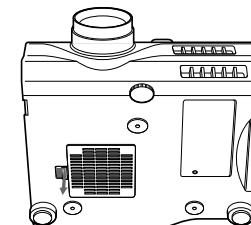
When it is time to replace the lamp, replace the lamp promptly with a new LMP-600 Projector Lamp. For details on replacement, refer to the instruction manual supplied with the LMP-600 Projector Lamp.

Cleaning the Air Filter

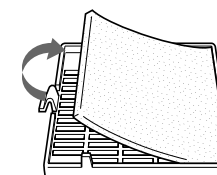
The air filter should be cleaned every 300 hours. When it becomes difficult to remove the dust from the filter, replace the filter with a new one.

To clean the air filter, follow the steps below:

- 1 Turn off the power and unplug the power cord.
- 2 Remove the air filter cover on the bottom of the projector.



- 3 Remove the air filter.




- 4 Remove the dust from the filter with a vacuum cleaner.
- 5 Attach the air filter and replace the cover.

Notes

- If the air filter is excessively dirty, wash it with a mild detergent solution and dry it in a shaded place. If the dust cannot be removed, replace the air filter with the supplied new one.
- Be sure to attach the air filter cover firmly; the power will not be turned on if it is not closed securely.

Troubleshooting

If the projector appears to be operating erratically, try to diagnose and correct the problem, using the following guide. If the problem still persists, consult with qualified Sony personnel.

| Symptom | Cause | Remedy |
|---|--|---|
| The power is not turned on. | The power has been turned off and on with the I /  key at a short interval. | Wait for about one minute before turning on the power (<i>see page 22 (EN)</i>). |
| | The lamp cover is detached. | Close the lamp cover securely. |
| | The air filter cover is detached. | Close the air filter cover securely (<i>see page 37 (EN)</i>). |
| No picture and no sound. | Cable is disconnected. | Check that the proper connections have been made (<i>see pages 18 (EN) to 21 (EN)</i>). |
| | Wrong connection. | Check that the proper connections have been made (<i>see pages 18 (EN) to 21 (EN)</i>). |
| | Input selection is incorrect. | Select the input source correctly using the INPUT key (<i>see page 22 (EN)</i>). |
| No picture or no sound. | Either the picture or the sound is cut off. | Press the MUTE keys to release the muting function (<i>see page 23 (EN)</i>). |
| No picture. | The computer signal is not set to output to external monitor. | Set the computer signal to output to external monitor (<i>see page 18 (EN)</i>). |
| | The computer signal is set to output to both the LCD of the computer and external monitor. | Set the computer signal to output only to external monitor (<i>see page 18 (EN)</i>). |
| The picture is noisy. | Noise may appear on the background depending on the combination of the numbers of dot input from the connector and numbers of pixel on the LCD panel. | Change the desktop pattern on the connected computer. |
| When inputting sound through INPUT A/B connector, sound comes through one channel only. | Monoaural sound is being input through the INPUT A/B connector. | Input stereo sound. |
| The picture from INPUT A/B connector is colored strange. | Setting for INPUT-A/INPUT-B in the SET SETTING menu is incorrect. | Select RGB or COMPONENT for INPUT-A or INPUT-B in the SET SETTING menu according to the input signal (<i>see page 31 (EN)</i>). |
| "Please check INPUT-A in SET SETTING." appears in spite of inputting the correct signal from INPUT A. | Setting for INPUT-A in the SET SETTING menu is incorrect. | Select RGB or COMPONENT for INPUT-A in the SET SETTING menu according to the input signal (<i>see page 31 (EN)</i>). |
| "Please check INPUT-B in SET SETTING." appears in spite of inputting the correct signal from INPUT B. | Setting for INPUT-B in the SET SETTING menu is incorrect. | Select RGB or COMPONENT for INPUT-B in the SET SETTING menu according to the input signal (<i>see page 31 (EN)</i>). |
| No display appears though the correct signal is input from INPUT B. | The RGB IN/OUT select switch is set to OUT. | Set the switch to IN (<i>see page 14 (EN)</i>). |
| "NO INPUT" appears when 15k RGB or component signal is input. | The sync signal is incorrect. | Input the correct sync signal (composite sync or sync on G signal (sync on Y for component signal)). |
| On-screen displays do not appear. | STATUS in the SET SETTING menu has been set to OFF. | Set STATUS in the SET SETTING menu to ON (<i>see page 31 (EN)</i>). |
| Color balance is incorrect. | Picture has not been adjusted properly. | Adjust the picture (<i>see pages 26 (EN) and 27 (EN)</i>). |
| | Projector is set to wrong color system. | Set COLOR SYS in the PICTURE CTRL menu to match the color system being input (<i>see page 27 (EN)</i>). |
| The picture is too dark. | Contrast or brightness has not been adjusted properly. | Adjust the contrast or brightness in the PICTURE CTRL menu properly (<i>see page 26 (EN)</i>). |
| The picture is not clear. | Picture is out of focus. | Adjust the focus (<i>see page 23 (EN)</i>). |
| | Condensation has occurred on the lens. | Leave the projector for about two hours with the power on (<i>see page 35 (EN)</i>). |

| Symptom | Cause | Remedy |
|--|--|---|
| The LAMP/COVER indicator flashes. | The lamp cover or the air filter cover is detached. | Attach the cover securely (<i>see page 37 (EN)</i>). |
| The LAMP/COVER indicator lights up. | The lamp has reached the end of its life. | Replace the lamp (<i>see page 37 (EN)</i>). |
| The TEMP/FAN indicator flashes. | The fan is broken. | Consult with qualified Sony personnel. |
| The TEMP/FAN indicator lights up. | The internal temperature is unusually high. | Check to see if nothing is blocking the ventilation holes. |
| The Remote Commander does not work. | The Remote Commander batteries are dead. | Replace with new batteries (<i>see page 16 (EN)</i>). |
| | The COMMANDER ON/OFF switch is set to the OFF position. | Set the switch to ON position (<i>see page 16 (EN)</i>). |
| | You are using the Remote Commander as a wireless Remote Commander, and it is connected to the projector. | Disconnect the cable. |
| | The front/rear remote commander detector is near the fluorescent lamp. | Change the setting of SIRCS RECEIVER in the SET SETTING menu (<i>see page 32 (EN)</i>). |
| The laser pointer is not emitted. | The batteries are dead. | Replace with new batteries (<i>see page 16 (EN)</i>). |
| | The Remote Commander is used as wired without batteries. | Install batteries (<i>see page 16 (EN)</i>). |
| The joystick, R CLICK, or L CLICK key does not function. | The mouse port on the computer does not recognize the mouse cable. | Restart the computer. |

Warning messages

Use the list below to check the meaning of the messages displayed on the screen.

| Message | Meaning | Remedy |
|--|---|---|
| High Temperature! Power off in 1 min. | Internal temperature is too high. | Turn off the power. Check to see if nothing is blocking the ventilation holes. |
| Frequency is out of range! | This input signal cannot be projected as the frequency is out of the acceptable range of the projector. | Input a signal that is within the range of the frequency. |
| | The resolution setting of the output signal of a computer is too high. | Set the setting of output to the SVGA. |
| Please check INPUT-A in SET SETTING. | You have input RGB signal from the computer when INPUT-A in the SET SETTING menu is set to COMPONENT. | Set INPUT-A correctly. |
| Please check INPUT-B in SET SETTING. | You have input RGB signal from the computer when INPUT-B in the SET SETTING menu is set to COMPONENT. | Set INPUT-B correctly. |

Caution messages

Use the list below to check the meaning of the messages displayed on the screen.

| Message | Meaning | Remedy |
|-----------------|---------------------------------|----------------------------|
| NO INPUT | No input signal | Check connections. |
| Not applicable! | You have pressed the wrong key. | Press the appropriate key. |

Specifications

Optical characteristics

| | |
|-------------------------|--|
| Projection system | 3 LCD panels, 1 lens, projection system |
| LCD panel | 1.3-inch TFT LCD panel, 1,440,000 pixels (480,000 pixels × 3) |
| Lens | 1.3 times zoom lens f 54 to 70 mm/F 2.0 to 2.4 |
| Lamp | 120 W UHP |
| Projection picture size | Range: 40 to 300 inches (diagonal measure) |
| Light output | ANSI lumen ¹⁾ 900 lm |
| Throwing distance | (800 × 600 dots display) |
| | 40-inch: 1570 to 2000 mm (61 ⁷ / ₈ to 78 ³ / ₄ inches) |
| | 80-inch: 3240 to 4090 mm (127 ³ / ₈ to 161 ¹ / ₈ inches) |
| | 100-inch: 4070 to 5130 mm (160 ³ / ₈ to 202 inches) |
| | 120-inch: 4900 to 6180 mm (193 to 243 ³ / ₈ inches) |
| | 200-inch: 8240 to 10360 mm (324 ¹ / ₂ to 408 inches) |
| | 300-inch: 12410 to 15580 mm (488 ³ / ₄ to 613 ¹ / ₂ inches) |

Electrical characteristics

| | |
|-----------------------------|---|
| Color system | NTSC _{3.58} /PAL/SECAM/NTSC _{4.43} /PAL-M system, switched automatically/manually |
| Resolution | 600 horizontal TV lines (Video input) 800 × 600 dots (RGB input) |
| Acceptable computer signals | fH: 15, 24 to 91 kHz fV: 43 to 85 Hz |
| Speaker | Wide frequency range 3 speakers system, Woofers: 57 mm (2 ¹ / ₄ inches) diameter, max. 1 W Tweeters: 28 mm (1 ¹ / ₈ inches) diameter, max. 0.2 W × 2 (stereo) |

Input/Output

| | |
|---------------------------------|---|
| VIDEO IN (only for VPL-S900U/M) | VIDEO: phono type Composite video: 1 Vp-p ±2 dB sync negative (75 ohms terminated) S VIDEO: Y/C mini DIN 4-pin type (male) |
|---------------------------------|---|

| | |
|---------------------------------|---|
| AUDIO IN (only for VPL-S900U/M) | Y (luminance): 1 Vp-p ±2 dB sync negative (75 ohms terminated) C (chrominance): burst 0.286 Vp-p ±2 dB (NTSC) (75 ohms terminated), burst 0.3 Vp-p ±2 dB (PAL) (75 ohms terminated) Phono type × 2 500 mVrms, impedance more than 47 kilohms |
| INPUT A/INPUT B | HD D-sub15-pin (female) Analog RGB/component: When using as input R/R-Y: 0.7 Vp-p ±2 dB (75 ohms terminated) G: 0.7 Vp-p ±2 dB (75 ohms terminated) G with sync/Y: 1 Vp-p ±2 dB sync negative (75 ohms terminated) B/B-Y: 0.7 Vp-p ±2 dB (75 ohms terminated) SYNC/HD: Composite sync input: 1-5 Vp-p high impedance, positive/negative Horizontal sync input: 1-5 Vp-p high impedance, positive/negative VD: Vertical sync input: 1-5 Vp-p high impedance, positive/negative When using as output (INPUT B only) (input/output switching, outputs signal input from RGB connector on INPUT A) R/R-Y: Gain unity (75 ohms terminated) G: Gain unity (75 ohms terminated) B/B-Y: Gain unity (75 ohms terminated) SYNC/HD: Composite sync output 4Vp-p (open), 1Vp-p (75 ohms input) Horizontal sync output 4Vp-p (open) 1Vp-p (75 ohms input) VD: Vertical sync output 4Vp-p (open) 1Vp-p (75 ohms input) MOUSE (output): 13-pin (female) (For details, see "Pin assignment" on page 42 (EN).) |

| | |
|---|---|
| AUDIO OUT (variable out): stereo minijack | AUDIO: Stereo minijack 500 mVrms, impedance more than 47 kilohms |
| CONTROL S IN/PLUG IN POWER | Max. 1 Vrms, when an output signal is 500 mVrms, impedance less than 5 kilohms |
| Stereo minijack | 5 Vp-p, plug in power, DC 5 V maximum output 60 mA |
| Safety regulations | VPL-S900U: UL1950, cUL (CSA C22.2 No.950), FCC Class A, IC Class A, DHHS VPL-S900E/S900M: EN60 950 EN60825-1, CE, C-Tick |

Laser beam

| | |
|------------|---------|
| Laser type | Class 2 |
| Wavelength | 645 nm |
| Output | 1 mW |

General

| | |
|-----------------------|--|
| Dimensions | 333 × 120 × 291 mm (13 ¹ / ₄ × 4 ³ / ₄ × 11 ¹ / ₂ inches) (w/h/d) (excluding lens, adjusters, and protruding parts) 339 × 136 × 322 mm (13 ³ / ₈ × 5 ³ / ₈ × 12 ³ / ₄ inches) (w/h/d) |
| Mass | Approx. 5.9 kg (13 lb) |
| Power requirements | AC 100 to 120 V/ 220 to 240 V, 2A/0.9A, 50/60 Hz |
| Power consumption | Max. 220 W (Standby mode: 2 W) |
| Heat dissipation | 750.7 BTU |
| Operating temperature | 0°C to 40°C (32°F to 104°F) |
| Operating humidity | 35% to 85% (no condensation) |
| Storage temperature | -20°C to 60°C (-4°F to 140°F) |
| Storage humidity | 10% to 90% |
| Supplied accessories | Remote Commander RM-PJM600 (1) Size AA (R6) batteries (2) |

| | |
|--------------------------------|--|
| Video Signal Cable SMF-401 (1) | Signal Adapter (for Macintosh) (1) |
| Mouse Cable | SIC-S20 (for Macintosh) (2 m) (1) |
| | SIC-S21 (for Serial) (2 m) (1) |
| | SIC-S22 (for PS/2) (2 m) (1) |
| | Audio/video cable (1.5 m) (1) (except for VPL-S900E) |
| | Strap for Remote Commander (1) |
| | AC power cord (1) |
| | Lens cap (1) |
| | Front cover (1) |
| | Air filter (for replacement) (1) |
| | Operating Instructions (1) |
| | Installation Manual for Dealers (1) |
| | Quick Reference Card (1) |
| | Warranty Card (1) (only for VPL-S900U) |

Design and specifications are subject to change without notice.

Optional accessories

| |
|---|
| Projector Lamp LMP-600 ¹⁾ (for replacement) |
| Projector Suspension Support PSS-600 |
| Interface Board IFB-X600E (only for VPL-S900E) |
| Video Signal Cable |
| SMF-400 (HD D-sub 15-pin (male) ↔ 5 × BNC (male)) |
| SMF-401 (HD D-sub 15-pin (male) ↔ HD D-sub 15-pin (male)) |
| Signal Cable |
| SMF-402 (HD D-sub 15-pin (male) ↔ 3 × phono type (male)) |
| Mouse Cable |
| SIC-S20 (for Macintosh) (2 m) |
| SIC-S21 (for Serial) (2 m) |
| SIC-S22 (for PS/2) (2 m) |
| Signal Adapter ADP-20 (Macintosh ↔ HD D-sub 15-pin) |
| Projection Lens |
| 2 times Zoom Long Focus Lens VPLL-ZM100 |
| Fixed Short Focus Lens VPLL-FM20 |
| Fixed Short Focus Lens VPLL-FM30 |
| Carrying Case VLC-600 ¹⁾ |
| Screens |
| 50-inch Portable VPS-50C |
| 80-inch Portable VPS-80C |
| 100-inch Flat Screen VPS-100FH |
| 120-inch Flat Screen VPS-120FH |

Some of the items may not be available in some areas. For details, please consult your nearest Sony office.

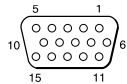
40 (EN) 1) ANSI lumen is a measuring method of American National Standard IT 7.228.

1) LMP-600 and VLC-600 may not be available in some areas. For details, please consult your nearest Sony office. 41 (EN)

Specifications

Pin assignment

RGB input (INPUT A)/RGB IN/OUT (INPUT B)
connector (HD D-sub 15-pin, female)



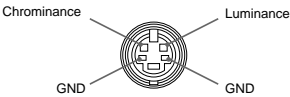
| | | | |
|---|---------|----|-----------|
| 1 | R/R-Y | 9 | N.C. |
| 2 | G/Y | 10 | GND |
| 3 | B/B-Y | 11 | GND |
| 4 | N.C. | 12 | N.C. |
| 5 | GND | 13 | HD/C.Sync |
| 6 | GND (R) | 14 | VD |
| 7 | GND (G) | 15 | N.C. |
| 8 | GND (B) | | |

MOUSE connector (13-pin, female)



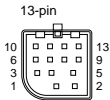
| | | | |
|---|------|----|-----------|
| 1 | RTS | 8 | R |
| 2 | GND | 9 | 98/AT/TXD |
| 3 | XA | 10 | +5V/DTR |
| 4 | XB | 11 | CLOCK |
| 5 | YA | 12 | DATA |
| 6 | YB | 13 | RXD |
| 7 | L/PS | | |

S VIDEO jack (4 pin, mini-DIN)



Mouse cable pin assignment

SIC-S20

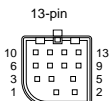


| | | | |
|---|------|----|-----------|
| 1 | RTS | 8 | R |
| 2 | GND | 9 | 98/AT/TXD |
| 3 | XA | 10 | +5V/DTR |
| 4 | XB | 11 | CLOCK |
| 5 | YA | 12 | DATA |
| 6 | YB | 13 | RXD |
| 7 | L/PS | | |

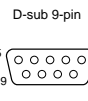


| | |
|---|-----|
| 1 | ADB |
| 2 | NC |
| 3 | +5V |
| 4 | GND |

SIC-S21

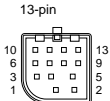


| | | | |
|---|------|----|-----------|
| 1 | RTS | 8 | R |
| 2 | GND | 9 | 98/AT/TXD |
| 3 | XA | 10 | +5V/DTR |
| 4 | XB | 11 | CLOCK |
| 5 | YA | 12 | DATA |
| 6 | YB | 13 | RXD |
| 7 | L/PS | | |



| | |
|---|-----|
| 1 | DCD |
| 2 | RXD |
| 3 | TXD |
| 4 | DTR |
| 5 | GND |
| 6 | DSR |
| 7 | RTS |
| 8 | CTS |
| 9 | RI |

SIC-S22



| | | | |
|---|------|----|-----------|
| 1 | RTS | 8 | R |
| 2 | GND | 9 | 98/AT/TXD |
| 3 | XA | 10 | +5V/DTR |
| 4 | XB | 11 | CLOCK |
| 5 | YA | 12 | DATA |
| 6 | YB | 13 | RXD |
| 7 | L/PS | | |



| | |
|---|-------|
| 1 | DATA |
| 2 | NC |
| 3 | GND |
| 4 | +5V |
| 5 | CLOCK |
| 6 | NC |

Switch position for signal adapter

to Macintosh



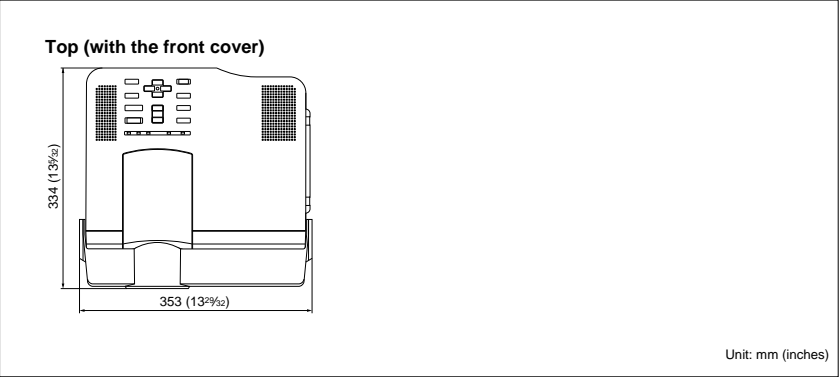
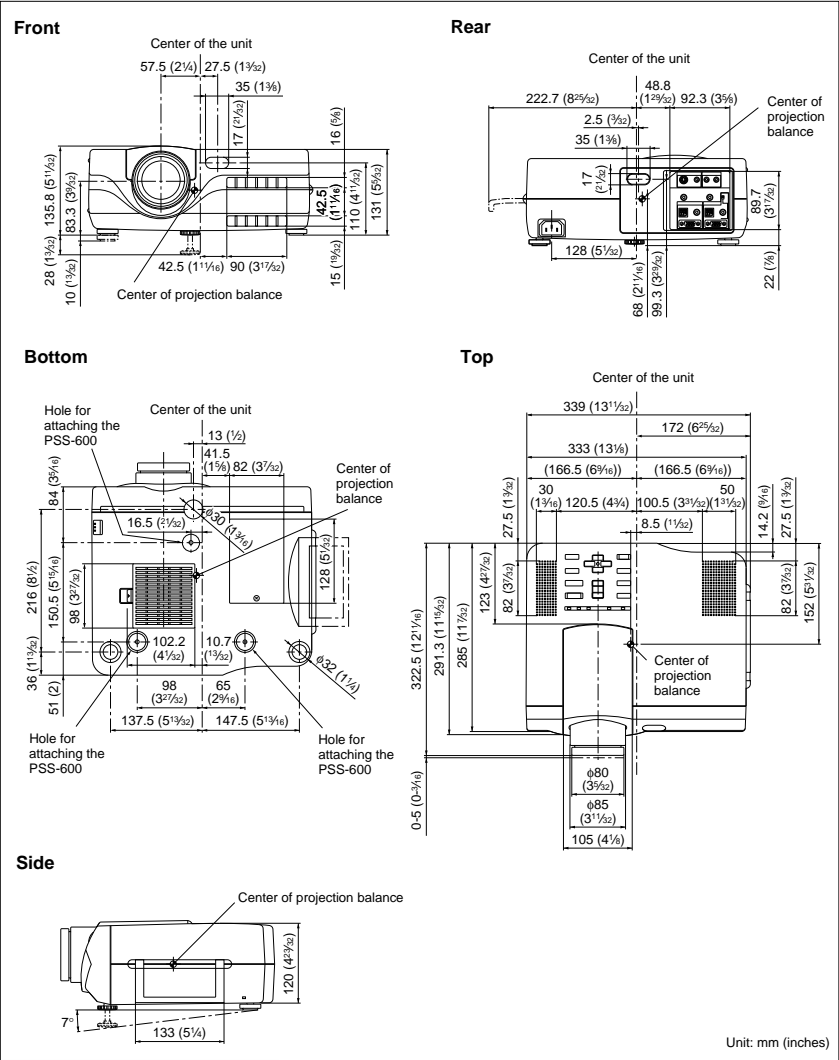
DIP switch

ON (upper position) \uparrow = 1
OFF (lower position) \downarrow = 0

| Mode | fH | DIP switch 12345678 |
|--------------------------|-------------------|------------------------|
| VGA/S VGA | 31.5 kHz/37.8 kHz | 00111001 |
| Macintosh 13" | 35.0 kHz | 11001001 |
| Macintosh 16" | 49.7 kHz | 01011001 |
| Macintosh 19" | 60.2 kHz | 01101001 |
| Macintosh 21" | 68.7 kHz | 11111001 |
| Macintosh 1280 × 960 | 75.0 kHz | 11001101 |
| Macintosh 1280 × 1024 | 75.0 kHz | 11001101 |

Specifications

Dimensions



Index

A

- Adjusters 11 (EN)
- Adjusting
 - memory of the settings 25 (EN)
 - the picture 26 (EN)
 - the picture size/shift 28 (EN)
- Air filter 37 (EN)
- APA function 23 (EN)
- ASPECT 29 (EN)

B

- Battery
 - installation 16 (EN)
 - notes 16 (EN)
- BRIGHT 26 (EN)

C

- Carrying handle 10 (EN)
- COLOR 26 (EN)
- COLOR SYS (System) 27 (EN)
- COLOR TEMP 27 (EN)
- Connections
 - computer 18 (EN)
 - 15k RGB/component equipment 20 (EN)
 - Using the RGB IN/OUT connector on INPUT B as a monitor output connector 21 (EN)
 - VCR 20 (EN)
- CONTRAST 26 (EN)
- Cut off
 - the picture 23 (EN)
 - the sound 23 (EN)

D, E

- Dimensions 44 (EN), 45 (EN)
- D. (Dynamic) PICTURE 27 (EN)
- DOT PHASE 28 (EN)

F, G, H

- Front cover 9 (EN), 10 (EN)
- GAMMA MODE 27 (EN)
- HUE 26 (EN)

I, J, K

- INPUT-A 31 (EN)
- INPUT-B 31 (EN)
- INPUT SETTING menu 28 (EN)
- INSTALLATION 32 (EN)
- Installation examples
 - notes 36 (EN)
 - on a ceiling 34 (EN)
 - on a floor 17 (EN), 33 (EN)
 - unsuitable places 35 (EN)

L

- Lamp replacement 37 (EN)
- LANGUAGE 32 (EN)
- Laser pointer function 15 (EN)
- Location and function of controls
 - connector panel 14 (EN)
 - control panel 11 (EN)
 - front 9 (EN)
 - rear 13 (EN)
 - Remote Commander 15 (EN)

M, N

- Menu
 - clearing the menu display 25 (EN)
 - INPUT SETTING menu 28 (EN)
 - PICTURE CTRL menu 26 (EN)
 - SET SETTING menu 31 (EN)
 - using the menu 25 (EN)
- Message
 - caution 39 (EN)
 - warning 39 (EN)
- Mouse cable
 - connection 19 (EN)
 - pin assignment 42 (EN)
- Mouse connector 14 (EN)
 - pin assignment 42 (EN)

O

- Optional accessories 41 (EN)

P, Q

- PICTURE CTRL menu 26 (EN)
- Pin assignment 42 (EN)
- Power
 - turn off 24 (EN)
 - turn on 22 (EN)
- POWER SAVING 12 (EN), 32 (EN)
- Precautions 6 (EN)
- PSS-600 Projector Suspension Support 34 (EN)

R

- Remote Commander
 - battery installation 16 (EN)
 - installing in the front cover 10 (EN)
 - laser pointer function 15 (EN)
 - location and function of controls 15 (EN)
- Remote control detector
 - front 9 (EN)
 - rear 13 (EN)
 - setting 32 (EN)
- Reset
 - resettable items 25 (EN)
 - resetting the item 25 (EN)
- RGB input connector 14 (EN)
 - pin assignment 42 (EN)

S

- SCAN CONV (Scan converter) 29 (EN)
- Screen size 17 (EN), 33 (EN), 34 (EN)
- SET SETTING menu 31 (EN)
- SHARP 27 (EN)
- SHIFT 28 (EN)
- Signal adapter 19 (EN)
 - switch position 43 (EN)
- SIRCS RECEIVER 32 (EN)
- SIZE 28 (EN)
- SPEAKER 32 (EN)
- Specifications 40 (EN)
- STATUS (on-screen display) 31 (EN)
- Supplied accessories 41 (EN)

T, U

- Troubleshooting 38 (EN)

V, W, X, Y, Z

- Ventilation holes
 - exhaust 9 (EN)
 - intake 9 (EN)



3-862-351-13 (1)

LCD Data Projector

- Installation Manual for Dealers **EN**
- Manuel d'installation destiné aux revendeurs **F**
- Manual de instalación para proveedores **ES**

VPL-X600U/X600E/X600M
VPL-S600U/S600E/S600M
VPL-X1000U/X1000E/X1000M
VPL-S900U/S900E/S900M

Table of Contents

Precautions 3 (EN)
Overview 5 (EN)
Replacing the Lens 6 (EN)
Changing the Lens Position for Rear Projection
 (Optical Axis Angle: 0 degree) 7 (EN)
Installation Diagram 10 (EN)
 Floor Installation (Front Projection) 10 (EN)
 Ceiling Installation (Front Projection) 13 (EN)
 Floor Installation (Rear Projection: Optical Axis
 Angle 0 Degree) 16 (EN)

Precautions

On safety

- Check that the operating voltage of your unit is identical with the voltage of your local power supply. If voltage adaptation is required, consult with qualified Sony personnel.
- Should any liquid or solid object fall into the cabinet, unplug the unit and have it checked by qualified Sony personnel before operating it further.
- Unplug the unit from the wall outlet if it is not to be used for several days.
- To disconnect the cord, pull it out by the plug. Never pull the cord itself.
- The wall outlet should be near the unit and easily accessible.
- The unit is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the unit itself has been turned off.
- Do not look into the lens while the lamp is on.
- Do not place your hand or objects near the ventilation holes — the air coming out is hot.
- Avoid using an extension cord with a low voltage limited since it may cause the short-circuit and physical incidents.
- To carry the projector, be sure to use the carrying handle. Do not hold other parts of the projector, especially the lens, nor catch your finger between the handle, floor, and the projector.
- Do not catch your finger between the unit and surface of the floor when moving the projector installed on the floor.
- Be careful not to catch your finger in the cooling fan.
- Do not carry the projector with the cabinet on and with its cover open.

On installation

- When the projector is mounted on the ceiling, the Sony PSS-600 Projector Suspension Support must be used for installation.
- Allow adequate air circulation to prevent internal heat build-up. Do not place the unit on surfaces (rugs, blankets, etc.) or near materials (curtains, draperies) that may block the ventilation holes. Leave space of more than 30 cm (11 7/8 inches) between the wall and the projector. Be aware that room heat rises to the ceiling; check that the temperature near the installation location is not excessive.
- Install the projector on the floor or ceiling. Any other installation causes a malfunction such as color irregularity or shortening lamp life.
- Do not install the unit in a location near heat sources such as radiators or air ducts, or in a place subject to direct sunlight, excessive dust or humidity, mechanical vibration or shock.
- To avoid moisture condensation, do not install the unit in a location where the temperature may rise rapidly.
- Be sure to secure the cabinet cover firmly when installing to the ceiling firmly.

Precautions

On illumination

- To obtain the best picture, the front of the screen should not be exposed to direct lighting or sunlight.
- Ceiling-mounted spot lighting is recommended. Use a cover over fluorescent lamps to avoid lowering the contrast ratio.
- Cover any windows that face the screen with opaque draperies.
- It is desirable to install the projector in a room where floor and walls are not of light-reflecting material. If the floor and walls are of reflecting material, it is recommended that the carpet and wall paper be changed to a dark color.

On preventing internal heat build-up

- After you turn off the power with the I / ⏻ key on the control panel or on the Remote Commander, do not disconnect the unit from the wall outlet while the cooling fan is still running.
- Do not disconnect the AC power cord from the wall outlet while the fan is still running.

Caution

The projector is equipped with ventilation holes (intake) at the bottom and ventilation holes (exhaust) at the front. Do not block or place anything near these holes, or internal heat build-up may occur, causing picture degradation or damage to the projector.

On cleaning

- To keep the cabinet looking new, periodically clean it with a soft cloth. Stubborn stains may be removed with a cloth lightly dampened with a mild detergent solution. Never use strong solvents, such as thinner, benzene, or abrasive cleansers, since these will damage the cabinet.
- Avoid touching the lens. To remove dust on the lens, use a soft dry cloth. Do not use a damp cloth, detergent solution, or thinner.
- Clean the filter at regular intervals.

On repacking

- Save the original shipping carton and packing material; they will come in handy if you ever have to ship your unit. For maximum protection, repack your unit as it was originally packed at the factory.

Overview

This manual describes how to install the Sony LCD Data Projector VPL-X600U/E/M, VPL-S600U/E/M, VPL-X1000U/E/M and VPL-S900U/E/M, how to replace the lens, how to change the lens position for rear projection (optical axis angle: 0 degree), and installation diagrams. When you replace the lens or change the lens position, also refer to the Operating Instructions.

Replacing the Lens

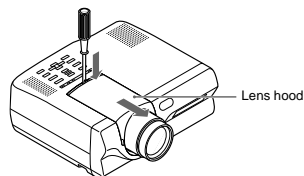
You can install the following two types of lenses in the projector.

- VPLL-ZM100 2 times Zoom long focus lens
- VPLL-FM30 Fixed short focus lens

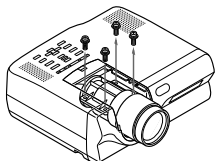
Follow the steps below to replace the lens.

For details on replacing the lens, also refer to the installation manual supplied with the lens.

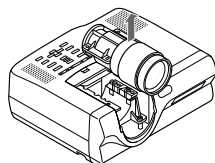
- 1 Turn off the power and disconnect the power cable.
- 2 Remove the lens hood. To remove the lens hood, insert a screwdriver into the lens hood slit then lightly push down on the hood with the screwdriver and slide the lens hood forward.



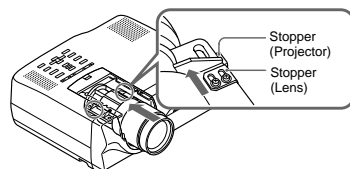
- 3 Remove the four screws (M4×12, with washers) locking the lens by using a Philips screwdriver.



- 4 Lift and remove the lens.



- 5 Install the lens with the lens stopper and the projector stopper met at their edges.

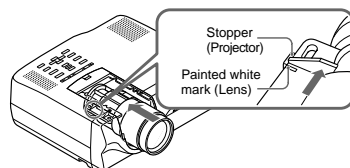


Note

For ease in identification when you install the lens, make sure that the label on the lens is facing up.

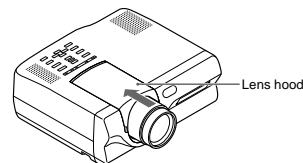
When the lens does not have a stopper

Align the painted white mark (□) on the lens with the edge of the stopper in the projector.



- 6 Tighten the four screws to secure the replacement lens firmly.

- 7 Install the lens hood by sliding it from front to back until it snaps into the lock position.



Notes

- The lens scratches easily, so when handling it, always place it gently on a stable and level surface in a horizontal position.
- Avoid touching the lens surface.

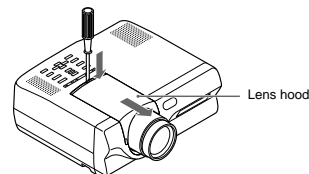
Changing the Lens Position for Rear Projection (Optical Axis Angle: 0 degree)

For rear projection, you can set the optical axis angle to 0 (zero). In this case, you will need to set the lens position as follows.

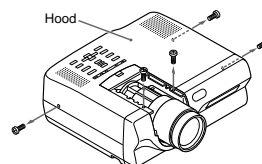
You can install the following types of lenses for a zero optical axis angle.

- Standard lens
- VPLL-ZM100 2 times Zoom long focus lens
- VPLL-FM30 Fixed short focus lens
- VPLL-FM20 Fixed short focus lens

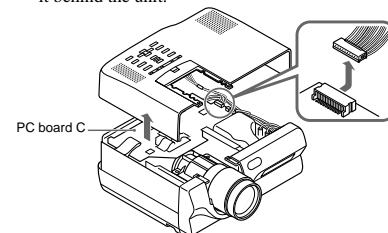
- 1 Turn off the power and disconnect the power cable.
- 2 Remove the lens hood. To remove the lens hood, insert a screwdriver into the lens hood slit then lightly push down on the hood with the screwdriver and slide the lens hood forward.



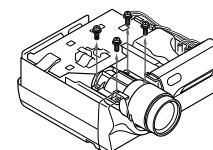
- 3 Remove the three black screws (M3×8) on the both sides and two black screws (M3×8) on the top locking the hood.



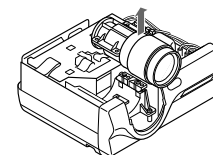
- 4 Disconnect the 12-pin connector (connected to the PC board C) from the hood. Lift the hood and set it behind the unit.



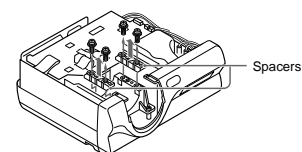
- 5 Remove the lens hood locking the lens by loosening the four screws (M4×12, with washers) with a Philips screwdriver.



- 6 Lift and remove the lens.



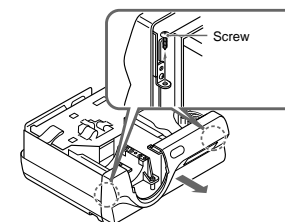
- 7 Remove the left and right spacers by loosening the four screws (M4×12, with washers).



Note

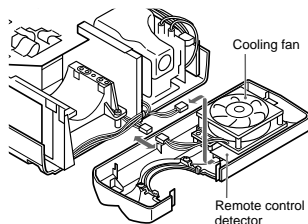
The spacer and the screws may be needed later on. Store them.

- 8 Loosen the two screws (M3×8, with washers) locking the front panel.

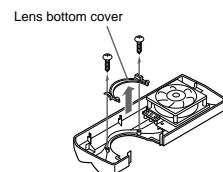


Changing the Lens Position for Rear Projection (Optical Axis Angle: 0 degree)

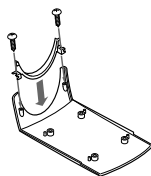
- 9** Disconnect the two connectors on the back of the front panel, one for cooling fan and the other for remote control detector, and then remove the front panel.



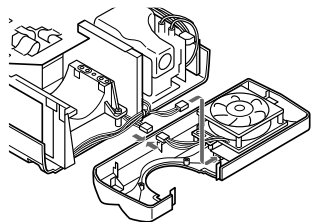
- 10** Remove the two tapping screws (3×8) from the front panel. Remove the lens bottom cover.



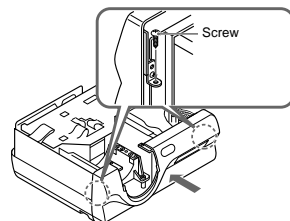
- 11** Install the lens bottom cover on the lens hood (removed in Step 2) with the two screws.



- 12** Connect the connector for remote control detector and the connector for cooling fan.



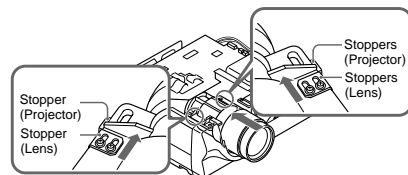
- 13** Install the front panel and lock with the two screws (M3×8, with washers).



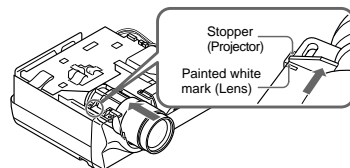
- 14** Install the lens with the lens stopper and the projector stopper met at their edges.

Notes

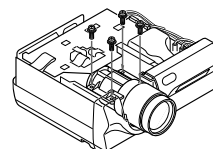
- When you install the standard lens, make sure that lens stoppers and projector stoppers are met on both sides.
- For ease in identification when you install the lens, make sure that the label on the lens is facing up.



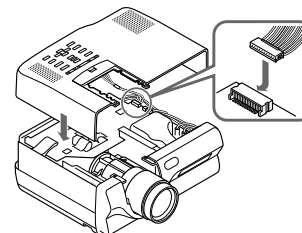
When the lens does not have a stopper
Align the painted white mark (□) on the lens with the edge of the stopper in the projector.



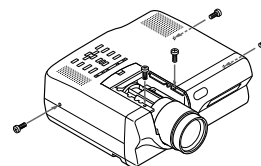
- 15** Lock the lens by tightening the four screws (M4×12, with washers).



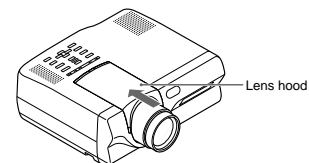
- 16** Connect the 12-pin connector to the PC board C (disconnected in Step 4).



- 17** Install the hood and lock with the five screws (M3×8).

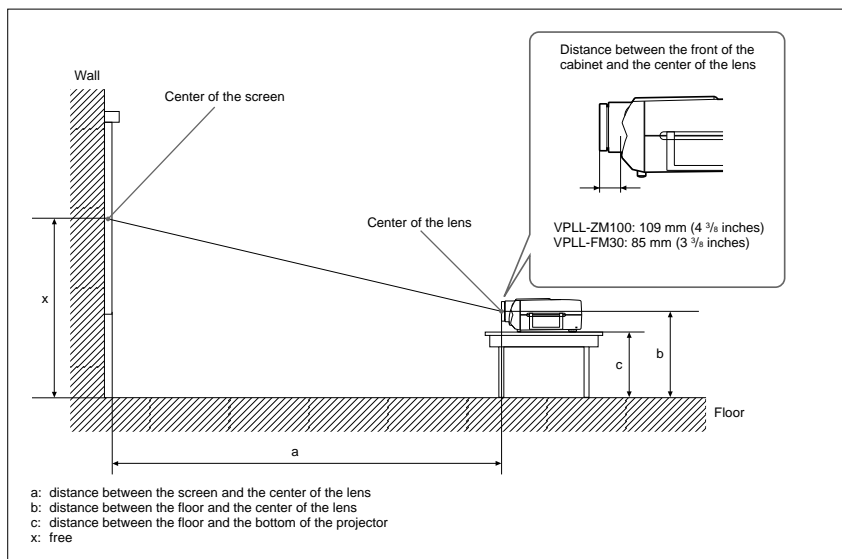


- 18** Install the lens hood by sliding it from front to back until it snaps into position.



Installation Diagram

Floor Installation (Front Projection)



When using the VPLL-ZM100 2 times Zoom long focus lens

For the VPL-X600U/E/M, VPL-X1000U/E/M

| | | Unit: mm (inches) | | | | | | | |
|----------------------|---------|---------------------|---------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Screen size (inches) | | 80 | 100 | 120 | 150 | 180 | 200 | 250 | 300 |
| a | Minimum | 4370 (172 1/4) | 5500 (216 1/2) | 6630 (261 1/8) | 8330 (328) | 10020 (394 1/2) | 11150 (439) | 13980 (550 1/2) | 16810 (661 1/2) |
| | Maximum | 8340 (328 3/8) | 10430 (410 3/4) | 12520 (493) | 15650 (616 1/4) | 18790 (739 3/8) | 20880 (822 1/8) | 26100 (1027 5/8) | 31320 (1233 1/8) |
| b | | x-580 (x-22 7/8) | x-725 (x-28 5/8) | x-870 (x-34 3/8) | x-1088 (x-42 7/8) | x-1305 (x-51 1/2) | x-1450 (x-57 1/8) | x-1813 (x-71 1/2) | x-2176 (x-85 3/4) |
| c | | x-663 (x-26 1/8) | x-808 (x-31 7/8) | x-954 (x-37 3/8) | x-1171 (x-46 1/8) | x-1389 (x-54 3/4) | x-1534 (x-60 1/2) | x-1896 (x-74 3/4) | x-2259 (x-89) |

Method of calculation (unit: mm)

SS: Screen size diagonal (inches)

$$a \text{ min} = (SS \times 72.290 / 1.31 - 155) \times 1.025$$

$$a \text{ max} = (SS \times 140.374 / 1.31 - 20) \times 0.975$$

$$b = x - SS / 1.31 \times 9.5$$

$$c = x - (SS / 1.31 \times 9.5 + 83.3)$$

For the VPL-S600U/E/M

| | | Unit: mm (inches) | | | | | | | |
|----------------------|---------|---------------------|---------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Screen size (inches) | | 80 | 100 | 120 | 150 | 180 | 200 | 250 | 300 |
| a | Minimum | 4550 (179 1/4) | 5720 (225 1/4) | 6900 (271 1/4) | 8660 (341) | 10430 (410 3/4) | 11600 (456 3/4) | 14540 (572 1/2) | 17480 (688 1/4) |
| | Maximum | 8670 (341 3/8) | 10840 (426 7/8) | 13020 (512 3/8) | 16270 (640 3/8) | 19530 (769) | 21710 (854 3/4) | 27140 (1068 3/8) | 32570 (1282 3/8) |
| b | | x-603 (x-23 3/4) | x-754 (x-29 3/4) | x-905 (x-35 3/4) | x-1131 (x-44 3/8) | x-1357 (x-53 1/2) | x-1508 (x-59 3/8) | x-1885 (x-74 1/4) | x-2262 (x-89 1/8) |
| c | | x-686 (x-27 1/8) | x-837 (x-33) | x-988 (x-39) | x-1214 (x-47 1/8) | x-1440 (x-56 3/4) | x-1591 (x-62 3/4) | x-1968 (x-77 1/2) | x-2345 (x-92 3/8) |

Method of calculation (unit: mm)

SS: Screen size diagonal (inches)

$$a \text{ min} = (SS \times 72.290 / 1.26 - 155) \times 1.025$$

$$a \text{ max} = (SS \times 140.374 / 1.26 - 20) \times 0.975$$

$$b = x - SS / 1.26 \times 9.5$$

$$c = x - (SS / 1.26 \times 9.5 + 83.3)$$

XGA/SXGA signal input

$$a \text{ min} = (SS \times 72.290 / 1.29 - 155) \times 1.025$$

$$a \text{ max} = (SS \times 140.374 / 1.29 - 20) \times 0.975$$

$$b = x - SS / 1.29 \times 9.5$$

$$c = x - (SS / 1.29 \times 9.5 + 83.3)$$

Macintosh 16-inch mode signal (horizontal 832 × vertical 624)/HDTV input

Refer to the table of the VPL-X600U/E/M.

For the VPL-S900U/E/M

| | | Unit: mm (inches) | | | | | | | |
|----------------------|---------|---------------------|---------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Screen size (inches) | | 80 | 100 | 120 | 150 | 180 | 200 | 250 | 300 |
| a | Minimum | 4400 (173 1/4) | 5540 (218 1/4) | 6680 (263 1/8) | 8400 (330 3/4) | 10110 (398 1/8) | 11250 (443) | 14100 (555 1/4) | 16950 (667 1/2) |
| | Maximum | 8410 (331 1/4) | 10510 (413 3/4) | 12620 (497) | 15780 (621 3/8) | 18940 (745 7/8) | 21050 (828 1/8) | 26320 (1036 3/8) | 31580 (1243 1/8) |
| b | | x-585 (x-23 1/8) | x-731 (x-28 7/8) | x-877 (x-34 3/8) | x-1097 (x-43 1/4) | x-1316 (x-51 7/8) | x-1462 (x-57 3/8) | x-1828 (x-72) | x-2194 (x-86 3/4) |
| c | | x-668 (x-26 3/8) | x-815 (x-32 1/8) | x-961 (x-37 7/8) | x-1180 (x-46 1/2) | x-1399 (x-55 1/8) | x-1546 (x-60 7/8) | x-1911 (x-75 3/8) | x-2277 (x-89 3/4) |

Method of calculation (unit: mm)

SS: Screen size diagonal (inches)

$$a \text{ min} = (SS \times 72.290 / 1.2992 - 155) \times 1.025$$

$$a \text{ max} = (SS \times 140.374 / 1.2992 - 20) \times 0.975$$

$$b = x - SS / 1.2992 \times 9.5$$

$$c = x - (SS / 1.2992 \times 9.5 + 83.3)$$

Installation Diagram

When using the VPLL-FM30 Fixed short focus lens

For the VPL-X600U/E/M, VPL-X1000U/E/M

| Unit: mm (inches) | | | | | | | | | | |
|----------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Screen size (inches) | 40 | 60 | 80 | 100 | 120 | 150 | 180 | 200 | 250 | 290 |
| a | 1080 (42 5/8) | 1650 (65) | 2220 (87 1/2) | 2790 (109 7/8) | 3360 (132 3/8) | 4210 (165 3/4) | 5070 (199 1/2) | 5640 (222 1/8) | 7060 (278) | 8200 (322 7/8) |
| b | x-290 (x-11 1/2) | x-435 (x-17 1/4) | x-580 (x-22 3/8) | x-725 (x-28 5/8) | x-870 (x-34 1/4) | x-1088 (x-42 1/8) | x-1305 (x-51 1/2) | x-1450 (x-57 1/4) | x-1813 (x-71 1/2) | x-2103 (x-82 7/8) |
| c | x-373 (x-14 3/4) | x-518 (x-20 3/4) | x-663 (x-26 1/4) | x-808 (x-31 7/8) | x-954 (x-37 3/4) | x-1171 (x-46 1/4) | x-1389 (x-54 3/4) | x-1534 (x-60 1/2) | x-1896 (x-74 3/4) | x-2186 (x-86 1/4) |

Method of calculation (unit: mm)

SS: Screen size diagonal (inches)

$$a = 37.313 \times SS / 1.31 - 60$$

$$b = x - SS / 1.31 \times 9.5$$

$$c = x - (SS / 1.31 \times 9.5 + 83.3)$$

For the VPL-S600U/E/M

| Unit: mm (inches) | | | | | | | | | | |
|----------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Screen size (inches) | 40 | 60 | 80 | 100 | 120 | 150 | 180 | 200 | 250 | 270 |
| a | 1120 (44 1/8) | 1720 (67 3/4) | 2310 (91) | 2900 (114 1/4) | 3490 (137 1/2) | 4380 (172 1/2) | 5270 (207 1/2) | 5860 (230 3/4) | 7340 (289) | 7940 (312 5/8) |
| b | x-302 (x-12) | x-452 (x-17 7/8) | x-603 (x-23 3/4) | x-754 (x-29 3/4) | x-905 (x-35 3/4) | x-1131 (x-44 1/4) | x-1357 (x-53 1/2) | x-1508 (x-59 3/8) | x-1885 (x-74 1/4) | x-2036 (x-80 1/4) |
| c | x-385 (x-15 1/4) | x-536 (x-21 1/8) | x-686 (x-27 1/8) | x-837 (x-33) | x-988 (x-39) | x-1214 (x-47 7/8) | x-1440 (x-56 3/4) | x-1591 (x-62 3/4) | x-1968 (x-77 1/2) | x-2119 (x-83 1/2) |

Method of calculation (unit: mm)

SS: Screen size diagonal (inches)

$$a = 37.313 \times SS / 1.26 - 60$$

$$b = x - SS / 1.26 \times 9.5$$

$$c = x - (SS / 1.26 \times 9.5 + 83.3)$$

XGA/SXGA signal input

$$a = 37.313 \times SS / 1.29 - 60$$

$$b = x - SS / 1.29 \times 9.5$$

$$c = x - (SS / 1.29 \times 9.5 + 83.3)$$

Macintosh 16-inch mode signal (horizontal 832 × vertical 624)/HDTV input

Refer to the table of the VPL-X600U/E/M.

For the VPL-S900U/E/M

| Unit: mm (inches) | | | | | | | | | | |
|----------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Screen size (inches) | 40 | 60 | 80 | 100 | 120 | 150 | 180 | 200 | 250 | 280 |
| a | 1090 (43) | 1660 (65 3/8) | 2240 (88 1/4) | 2810 (110 3/4) | 3390 (133 1/2) | 4250 (167 3/8) | 5110 (201 1/4) | 5680 (223 3/4) | 7120 (280 3/8) | 7980 (314 1/4) |
| b | x-292 (x-11 5/8) | x-439 (x-17 3/8) | x-585 (x-23 1/8) | x-731 (x-28 7/8) | x-877 (x-34 3/4) | x-1097 (x-43 1/4) | x-1316 (x-51 7/8) | x-1462 (x-57 5/8) | x-1828 (x-72) | x-2047 (x-80 5/8) |
| c | x-376 (x-14 7/8) | x-522 (x-20 5/8) | x-668 (x-26 3/4) | x-815 (x-32 1/4) | x-961 (x-37 7/8) | x-1180 (x-46 1/2) | x-1399 (x-55 1/4) | x-1546 (x-60 7/8) | x-1911 (x-75 3/4) | x-2131 (x-84) |

Method of calculation (unit: mm)

SS: Screen size diagonal (inches)

$$a = 37.313 \times SS / 1.2992 - 60$$

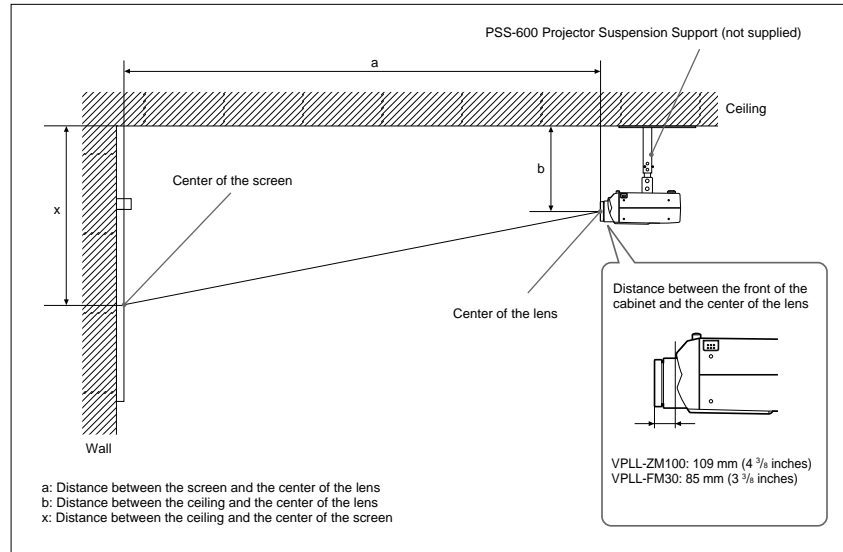
$$b = x - SS / 1.2992 \times 9.5$$

$$c = x - (SS / 1.2992 \times 9.5 + 83.3)$$

12 (EN)

Ceiling Installation (Front Projection)

When installing the projector on the ceiling, use the PSS-600 Projector Suspension Support.



When using the VPLL-ZM100 2 times Zoom long focus lens

For the VPL-X600U/E/M, VPL-X1000U/E/M

| Unit: mm (inches) | | | | | | | | |
|----------------------|--|---------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Screen size (inches) | 80 | 100 | 120 | 150 | 180 | 200 | 250 | 300 |
| a | Minimum 4370 (172 1/8) | 5500 (216 1/8) | 6630 (261 1/8) | 8330 (328) | 10020 (394 1/2) | 11150 (439) | 13980 (550 1/2) | 16810 (661 1/8) |
| | Maximum 8340 (328 3/4) | 10430 (410 3/4) | 12520 (493) | 15650 (616 1/4) | 18790 (739 3/8) | 20880 (822 1/8) | 26100 (1027 3/8) | 31320 (1233 3/8) |
| x | b+580 (b+22 7/8) | b+725 (b+28 3/8) | b+870 (b+34 3/4) | b+1088 (b+42 3/8) | b+1305 (b+51 1/2) | b+1450 (b+57 1/8) | b+1813 (b+71 1/2) | b+2176 (b+85 3/4) |
| b | When using PSS-600, the height can be adjusted 226, 251, 276, 326, 351, 376 (9, 10, 10 7/8, 12 7/8, 13 7/8, 14 7/8) | | | | | | | |

Method of calculation (unit: mm)

SS: Screen size diagonal (inches)

$$a_{\min} = (SS \times 72.290 / 1.31 - 155) \times 1.025$$

$$a_{\max} = (SS \times 140.374 / 1.31 - 20) \times 0.975$$

$$x = b + SS \times 9.5 / 1.31$$

(Continued)

13 (EN)

Installation Diagram

For the VPL-S600U/E/M

| Unit: mm (inches) | | | | | | | | | |
|----------------------|---------|--|---------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Screen size (inches) | | 80 | 100 | 120 | 150 | 180 | 200 | 250 | 300 |
| a | Minimum | 4550 (179 1/4) | 5720 (225 1/4) | 6900 (271 3/4) | 8660 (341) | 10430 (410 3/4) | 11600 (456 3/4) | 14540 (572 1/2) | 17480 (688 1/4) |
| | Maximum | 8670 (341 3/4) | 10840 (426 3/4) | 13020 (512 3/4) | 16270 (640 3/4) | 19530 (769) | 21710 (854 3/4) | 27140 (1068 3/4) | 32570 (1282 3/4) |
| x | | b+603 (b+23 3/4) | b+754 (b+29 3/4) | b+905 (b+35 3/4) | b+1131 (b+44 3/4) | b+1357 (b+53 1/2) | b+1508 (b+59 3/4) | b+1885 (b+74 1/4) | b+2262 (b+89 3/4) |
| b | | When using PSS-600, the height can be adjusted 226, 251, 276, 326, 351, 376 (9, 10, 10 7/8, 12 7/8, 13 7/8, 14 7/8) | | | | | | | |

Method of calculation (unit: mm)

SS: Screen size diagonal (inches)

$$a \text{ min} = (SS \times 72.290 / 1.26 - 155) \times 1.025$$

$$a \text{ max} = (SS \times 140.374 / 1.26 - 20) \times 0.975$$

$$x = b + SS \times 9.5 / 1.26$$

XGA/SXGA signal input

$$a \text{ min} = (SS \times 72.290 / 1.29 - 155) \times 1.025$$

$$a \text{ max} = (SS \times 140.374 / 1.29 - 20) \times 0.975$$

$$x = b + SS \times 9.5 / 1.29$$

Macintosh 16-inch mode signal (horizontal 832 × vertical 624)/HDTV input

Refer to the table of the VPL-X600U/E/M.

For the VPL-S900U/E/M

| | | Unit: mm (inches) | | | | | | | |
|----------------------|---------|--|---------------------|---------------------|----------------------|----------------------|----------------------|---------------------|----------------------|
| Screen size (inches) | | 80 | 100 | 120 | 150 | 180 | 200 | 250 | 300 |
| a | Minimum | 4400 (173 1/4) | 5540 (218 1/4) | 6680 (263 1/4) | 8400 (330 3/4) | 10110 (398 1/4) | 11250 (443) | 14100 (555 1/4) | 16950 (667 1/2) |
| | Maximum | 8410 (331 1/4) | 10510 (413 3/4) | 12620 (497) | 15780 (621 3/4) | 18940 (745 1/4) | 21050 (828 7/8) | 26320 (1036 3/4) | 31580 (1243 1/2) |
| x | | b+585 (b+23 1/4) | b+731 (b+28 7/8) | b+877 (b+34 3/4) | b+1097 (b+43 1/4) | b+1316 (b+51 1/4) | b+1462 (b+57 3/4) | b+1828 (b+72) | b+2194 (b+86 3/4) |
| b | | When using PSS-600, the height can be adjusted 226, 251, 276, 326, 351, 376 (9, 10, 10 7/8, 12 7/8, 13 7/8, 14 7/8) | | | | | | | |

Method of calculation (unit: mm)

SS: Screen size diagonal (inches)

$$a \text{ min} = (SS \times 72.290 / 1.2992 - 155) \times 1.025$$

$$a \text{ max} = (SS \times 140.374 / 1.2992 - 20) \times 0.975$$

$$x = b + SS / 1.2992 \times 9.5$$

When using the VPLL-FM30 Fixed short focus lens

For the VPL-X600U/E/M, VPL-X1000U/E/M

| Unit: mm (inches) | | | | | | | | |
|----------------------|--|---------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Screen size (inches) | 80 | 100 | 120 | 150 | 180 | 200 | 250 | 290 |
| a | 2220 (87 1/2) | 2790 (109 7/8) | 3360 (132 3/4) | 4210 (165 3/4) | 5070 (199 3/4) | 5640 (222 1/4) | 7060 (278) | 8200 (322 7/8) |
| x | b+580 (b+22 7/8) | b+725 (b+28 3/4) | b+870 (b+34 3/4) | b+1088 (b+42 3/4) | b+1305 (b+51 1/2) | b+1450 (b+57 1/4) | b+1813 (b+71 1/2) | b+2103 (b+82 3/4) |
| b | When using PSS-600, the height can be adjusted 226, 251, 276, 326, 351, 376 (9, 10, 10 1/8, 12 1/8, 13 1/8, 14 1/8) | | | | | | | |

Method of calculation (unit: mm)

SS: Screen size diagonal (inches)

$$a = 37.313 \times SS / 1.31 - 60$$

$$x = b + SS / 1.31 \times 9.5$$

For the VPL-S600U/E/M

| | | | | | | | | Unit: mm (inches) | |
|----------------------|--|---------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|--|
| Screen size (inches) | 80 | 100 | 120 | 150 | 180 | 200 | 250 | 270 | |
| a | 2310 (91) | 2900 (114 1/4) | 3490 (137 1/2) | 4380 (172 1/2) | 5270 (207 1/2) | 5860 (230 3/4) | 7340 (289) | 7940 (312 3/4) | |
| x | b+603 (b+23 3/4) | b+754 (b+29 3/4) | b+905 (b+35 3/4) | b+1131 (b+44 3/4) | b+1357 (b+53 1/2) | b+1508 (b+59 3/4) | b+1885 (b+74 1/4) | b+2036 (b+80 1/4) | |
| b | When using PSS-600, the height can be adjusted 226, 251, 276, 326, 351, 376 (9, 10, 10 1/8, 12 1/8, 13 1/8, 14 1/8) | | | | | | | | |

Method of calculation (unit: mm)

SS: Screen size diagonal (inches)

$$a = 37.313 \times SS / 1.26 - 60$$

$$x = b + SS / 1.26 \times 9.5$$

XGA/SXGA signal input

$$a = 37.313 \times SS / 1.29 - 60$$

$$x = b + SS / 1.29 \times 9.5$$

Macintosh 16-inch mode signal (horizontal 832 × vertical 624)/HDTV input

Refer to the table of the VPL-X600U/E/M.

For the VPL-S900U/E/M

| Unit: mm (inches) | | | | | | | | |
|----------------------|--|---------------------|---------------------|----------------------|----------------------|----------------------|-------------------|----------------------|
| Screen size (inches) | 80 | 100 | 120 | 150 | 180 | 200 | 250 | 280 |
| a | 2240 (88 1/4) | 2810 (110 3/4) | 3390 (133 1/2) | 4250 (167 3/4) | 5110 (201 1/4) | 5680 (223 3/4) | 7120 (280 3/4) | 7980 (314 1/4) |
| x | b+585 (b+23 1/4) | b+731 (b+28 7/8) | b+877 (b+34 3/4) | b+1097 (b+43 1/4) | b+1316 (b+51 1/4) | b+1462 (b+57 3/4) | b+1828 (b+72) | b+2047 (b+80 3/4) |
| b | When using PSS-600, the height can be adjusted 226, 251, 276, 326, 351, 376 (9, 10, 10 7/8, 12 7/8, 13 7/8, 14 7/8) | | | | | | | |

Method of calculation (unit: mm)

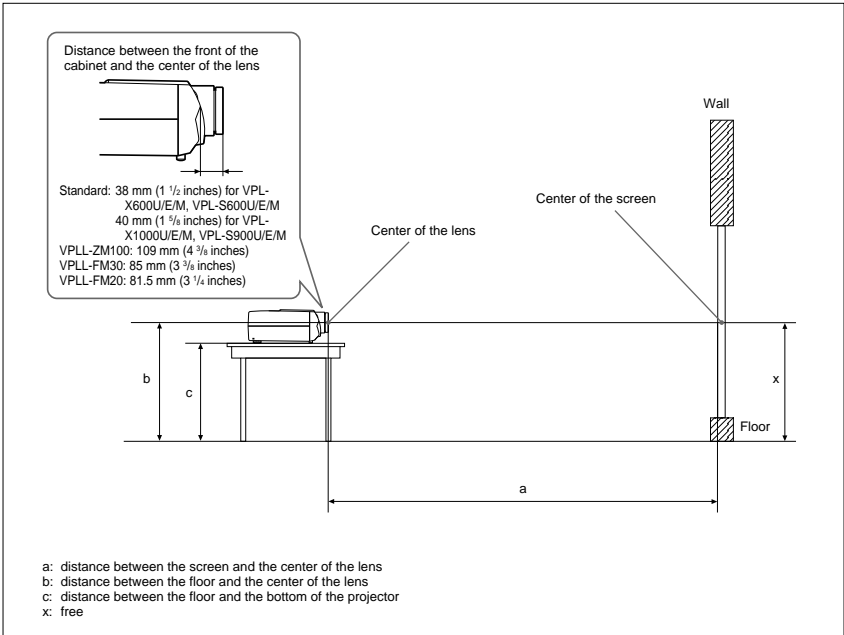
SS: Screen size diagonal (inches)

$$a = 37.313 \times SS / 1.2992 - 60$$

$$x = b + SS / 1.2992 \times 9.5$$

Installation Diagram

Floor Installation (Rear Projection: Optical Axis Angle 0 Degree)



Note

If the projector has been set at the factory and if you project a picture from the rear, the picture will be upside down. If you use a mirror, the picture may be reversed. In these cases, change the INSTALLATION in the SET SETTING menu.
For details, refer to the INSTALLATION in the Operating Instructions for your LCD data projector.

When using the Standard lens

For the VPL-X600U/E/M

| | | Unit: mm (inches) | | | | | | | | | |
|----------------------|---------|-------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|--------------------|
| Screen size (inches) | | 40 | 60 | 80 | 100 | 120 | 150 | 180 | 200 | 250 | 300 |
| a | Minimum | 1490 (58 3/4) | 2270 (89 3/4) | 3060 (120 1/2) | 3850 (151 1/2) | 4630 (182 3/4) | 5810 (228 3/4) | 6990 (275 1/4) | 7780 (306 3/4) | 9740 (383 1/2) | 11710 (461 1/4) |
| | Maximum | 1890 (74 1/2) | 2870 (113) | 3860 (152) | 4840 (190 3/4) | 5830 (229 3/4) | 7310 (287 1/4) | 8780 (345 3/4) | 9770 (384 3/4) | 12230 (481 1/2) | 14700 (578 3/4) |
| b | | x (x) | | | | | | | | | |
| c | | x-74 (x-3) | | | | | | | | | |

Method of calculation (unit: mm)

SS: Screen size diagonal (inches)
a min = (SS × 50.249/1.31 – 84) × 1.025
a max = (SS × 66.195/1.31 – 87) × 0.975
b = x
c = x – 74

For the VPL-S600U/E/M

| | | Unit: mm (inches) | | | | | | | | | |
|----------------------|---------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|--------------------|
| Screen size (inches) | | 40 | 60 | 80 | 100 | 120 | 150 | 180 | 200 | 250 | 300 |
| a | Minimum | 1550 (64 1/4) | 2370 (93 3/4) | 3180 (125 1/4) | 4000 (157 1/2) | 4820 (189 3/4) | 6050 (238 1/4) | 7270 (286 1/4) | 8090 (318 3/4) | 10130 (398 3/2) | 12180 (479 3/4) |
| | Maximum | 1960 (77 1/4) | 2990 (117 3/4) | 4010 (157 3/4) | 5040 (198 1/2) | 6060 (238 3/4) | 7600 (299 1/4) | 9140 (359 3/4) | 10160 (400) | 12720 (500 3/4) | 15280 (601 3/4) |
| b | | x (x) | | | | | | | | | |
| c | | x-74 (x-3) | | | | | | | | | |

Method of calculation (unit: mm)

SS: Screen size diagonal (inches)
a min = (SS × 50.249/1.26 – 84) × 1.025
a max = (SS × 66.195/1.26 – 87) × 0.975
b = x
c = x – 74

XGA/SXGA signal input
a min = (SS × 50.249/1.29 – 84) × 1.025
a max = (SS × 66.195/1.29 – 87) × 0.975
b = x
c = x – 74

Macintosh 16-inch mode signal (horizontal 832 × vertical 624)/HDTV input
Refer to the table of the VPL-X600U/E/M.

Installation Diagram

For the VPL-X1000U/E/M

| Screen size (inches) | | 40 | 60 | 80 | 100 | 120 | 150 | 180 | 200 | 250 | 300 |
|----------------------|---------|------------------|---------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|--------------------|--------------------|
| a | Minimum | 1560 (61 1/2) | 2380 (93 3/4) | 3210 (126 1/2) | 4040 (159 1/8) | 4860 (191 3/8) | 6100 (240 1/4) | 7340 (289 1/8) | 8170 (321 3/4) | 10240 (403 1/4) | 12300 (484 3/8) |
| | Maximum | 1980 (78) | 3020 (118 15/16) | 4050 (159 1/2) | 5090 (200 1/2) | 6120 (241) | 7680 (302 3/8) | 9230 (363 1/2) | 10270 (404 3/8) | 12860 (506 3/8) | 15450 (608 3/8) |
| b | | x (x) | | | | | | | | | |
| c | | x-74 (x-3) | | | | | | | | | |

Method of calculation (unit: mm)

SS: Screen size diagonal (inches)
a min = (SS × 52.83/1.3102 – 95.03) × 1.025
a max = (SS × 69.64/1.3102 – 96.17) × 0.975
b = x
c = x – 74

For the VPL-S900U/E/M

| Screen size (inches) | | 40 | 60 | 80 | 100 | 120 | 150 | 180 | 200 | 250 | 300 |
|----------------------|---------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|--------------------|
| a | Minimum | 1570 (61 3/8) | 2400 (94 1/2) | 3240 (127 3/8) | 4070 (160 3/8) | 4900 (193) | 6150 (242 1/4) | 7410 (291 3/8) | 8240 (324 1/2) | 10320 (406 3/8) | 12410 (488 3/8) |
| | Maximum | 2000 (78 3/4) | 3040 (119 3/4) | 4090 (161 1/8) | 5130 (202) | 6180 (243 3/8) | 7750 (305 1/4) | 9310 (366 3/8) | 10360 (408) | 12970 (510 3/4) | 15580 (613 1/2) |
| b | | x (x) | | | | | | | | | |
| c | | x-74 (x-3) | | | | | | | | | |

Method of calculation (unit: mm)

SS: Screen size diagonal (inches)
a min = (SS × 52.83/1.2992 – 95.03) × 1.025
a max = (SS × 69.64/1.2992 – 96.17) × 0.975
b = x
c = x – 74

When using the VPLL-ZM100 2 times Zoom long focus lens

For the VPL-X600U/E/M, VPL-X1000U/E/M

| Screen size (inches) | | 80 | 100 | 120 | 150 | 180 | 200 | 250 | 300 |
|----------------------|---------|-------------------|--------------------|-------------------|--------------------|--------------------|--------------------|---------------------|---------------------|
| a | Minimum | 4370 (172 1/4) | 5500 (216 1/8) | 6630 (261 1/8) | 8330 (328) | 10020 (394 1/2) | 11150 (439) | 13980 (550 1/2) | 16810 (661 1/8) |
| | Maximum | 8340 (328 3/8) | 10430 (410 3/8) | 12520 (493) | 15650 (616 1/8) | 18790 (739 3/8) | 20880 (822 1/8) | 26100 (1027 3/8) | 31320 (1233 1/8) |
| b | | x (x) | | | | | | | |
| c | | x-74 (x-3) | | | | | | | |

Method of calculation (unit: mm)

SS: Screen size diagonal (inches)
a min = (SS × 72.290/1.31 – 155) × 1.025
a max = (SS × 140.374/1.31 – 20) × 0.975
b = x
c = x – 74

For the VPL-S600U/E/M

| Screen size (inches) | | 80 | 100 | 120 | 150 | 180 | 200 | 250 | 300 |
|----------------------|---------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------|---------------------|
| a | Minimum | 4550 (179 1/4) | 5720 (225 1/4) | 6900 (271 3/4) | 8660 (341) | 10430 (410 3/4) | 11600 (456 3/4) | 14540 (572 1/2) | 17840 (688 1/4) |
| | Maximum | 8670 (341 3/4) | 10840 (426 3/4) | 13020 (512 3/8) | 16270 (640 3/8) | 19530 (769) | 21710 (854 3/4) | 27140 (1068 3/8) | 32570 (1282 3/8) |
| b | | x (x) | | | | | | | |
| c | | x-74 (x-3) | | | | | | | |

Method of calculation (unit: mm)

SS: Screen size diagonal (inches)
a min = (SS × 72.290/1.26 – 155) × 1.025
a max = (SS × 140.374/1.26 – 20) × 0.975
b = x
c = x – 74

XGA/SXGA signal input
a min = (SS × 72.290/1.29 – 155) × 1.025
a max = (SS × 140.374/1.29 – 20) × 0.975
b = x
c = x – 74

Macintosh 16-inch mode signal (horizontal 832 × vertical 624)/HDTV input
Refer to the table of the VPL-X600U/E/M.

Installation Diagram

For the VPL-S900U/E/M

| | | Unit: mm (inches) | | | | | | | |
|----------------------|---------|-------------------|--------------------|-------------------|--------------------|--------------------|--------------------|---------------------|---------------------|
| Screen size (inches) | | 80 | 100 | 120 | 150 | 180 | 200 | 250 | 300 |
| a | Minimum | 4400 (173 1/4) | 5540 (218 1/4) | 6680 (263 1/4) | 8400 (330 3/4) | 10110 (398 1/4) | 11250 (443) | 14100 (555 1/4) | 16950 (667 1/2) |
| | Maximum | 8410 (331 1/4) | 10510 (413 3/4) | 12620 (497) | 15780 (621 3/4) | 18940 (745 1/4) | 21050 (828 3/4) | 26320 (1036 3/4) | 31580 (1243 1/2) |
| b | | x (x) | | | | | | | |
| c | | x-74 (x-3) | | | | | | | |

Method of calculation (unit: mm)

SS: Screen size diagonal (inches)

a min = $(SS \times 72.290 / 1.2992 - 155) \times 1.025$

a max = $(SS \times 140.374 / 1.2992 - 20) \times 0.975$

b = x

c = x - 74

When using the VPLL-FM30 Fixed short focus lens

For the VPL-X600U/E/M, VPL-X1000U/E/M

| | | Unit: mm (inches) | | | | | | | | | |
|----------------------|---------|-------------------|--------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------|-------------------|
| Screen size (inches) | | 40 | 60 | 80 | 100 | 120 | 150 | 180 | 200 | 250 | 290 |
| a | Minimum | 1080 (42 3/4) | 1650 (65) | 2220 (87 1/2) | 2790 (109 3/4) | 3360 (132 3/4) | 4210 (165 3/4) | 5070 (199 3/4) | 5640 (222 1/4) | 7060 (278) | 8200 (322 3/4) |
| | Maximum | x (x) | | | | | | | | | |
| b | | x (x) | | | | | | | | | |
| c | | x-74 (x-3) | | | | | | | | | |

Method of calculation (unit: mm)

SS: Screen size diagonal (inches)

a = $37.313 \times SS / 1.31 - 60$

b = x

c = x - 74

For the VPL-S600U/E/M

| | | Unit: mm (inches) | | | | | | | | | |
|----------------------|---------|-------------------|------------------|--------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------|-------------------|
| Screen size (inches) | | 40 | 60 | 80 | 100 | 120 | 150 | 180 | 200 | 250 | 270 |
| a | Minimum | 1120 (44 1/4) | 1720 (67 3/4) | 2310 (91) | 2900 (114 1/4) | 3490 (137 1/2) | 4380 (172 1/2) | 5270 (207 1/2) | 5860 (230 3/4) | 7340 (289) | 7940 (312 3/4) |
| | Maximum | x (x) | | | | | | | | | |
| b | | x (x) | | | | | | | | | |
| c | | x-74 (x-3) | | | | | | | | | |

Method of calculation (unit: mm)

SS: Screen size diagonal (inches)

a = $37.313 \times SS / 1.26 - 60$

b = x

c = x - 74

XGA/SXGA signal input

a = $37.313 \times SS / 1.29 - 60$

b = x

c = x - 74

Macintosh 16-inch mode signal (horizontal 832 × vertical 624)/HDTV input

Refer to the table of the VPL-X600U/E/M.

For the VPL-S900U/E/M

| | | Unit: mm (inches) | | | | | | | | | |
|----------------------|---------|-------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Screen size (inches) | | 40 | 60 | 80 | 100 | 120 | 150 | 180 | 200 | 250 | 280 |
| a | Minimum | 1090 (43) | 1660 (65 3/4) | 2240 (88 1/4) | 2810 (110 3/4) | 3390 (133 1/2) | 4250 (167 3/4) | 5110 (201 1/4) | 5680 (223 3/4) | 7120 (280 3/4) | 7980 (314 1/4) |
| | Maximum | x (x) | | | | | | | | | |
| b | | x (x) | | | | | | | | | |
| c | | x-74 (x-3) | | | | | | | | | |

Method of calculation (unit: mm)

SS: Screen size diagonal (inches)

a = $37.313 \times SS / 1.2992 - 60$

b = x

c = x - 74

Installation Diagram

When using the VPLL-FM20 Fixed short focus lens

For the VPL-X600U/E/M, VPL-X1000U/E/M

| Unit: mm (inches) | | | | | | | | |
|----------------------|-------------------|------------------|--------------|------------------|------------------|-------------------|-------------------|-------------------|
| Screen size (inches) | 50 | 60 | 80 | 100 | 120 | 150 | 180 | 200 |
| a | 860 (33 7/8) | 1050 (41 3/8) | 1420 (56) | 1790 (70 1/2) | 2160 (85 1/8) | 2720 (107 1/8) | 3270 (128 3/4) | 3640 (143 3/8) |
| b | x (x) | | | | | | | |
| c | x-74 (x-3 5/8) | | | | | | | |

Method of calculation (unit: mm)

SS: Screen size diagonal (inches)

$$a = 24.275 \times SS / 1.31 - 64$$

$$b = x$$

$$c = x - 74$$

For the VPL-S600U/E/M

| Unit: mm (inches) | | | | | | | | |
|----------------------|-----------------|--------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|
| Screen size (inches) | 50 | 60 | 80 | 100 | 120 | 150 | 180 | 190 |
| a | 900 (35 1/2) | 1090 (43) | 1480 (58 3/8) | 1860 (73 1/4) | 2250 (88 5/8) | 2830 (111 1/2) | 3400 (133 7/8) | 3600 (141 3/4) |
| b | x (x) | | | | | | | |
| c | x-74 (x-3) | | | | | | | |

Method of calculation (unit: mm)

SS: Screen size diagonal (inches)

$$a = 24.275 \times SS / 1.26 - 64$$

$$b = x$$

$$c = x - 74$$

XGA/SXGA signal input

$$a = 24.275 \times SS / 1.29 - 64$$

$$b = x$$

$$c = x - 74$$

Macintosh 16-inch mode signal (horizontal 832 ×
vertical 624)/HDTV input
Refer to the table of the VPL-X600U/E/M.

For the VPL-S900U/E/M

| Unit: mm (inches) | | | | | | | | |
|----------------------|-----------------|------------------|------------------|------------------|------------------|---------------|---------------|-------------------|
| Screen size (inches) | 50 | 60 | 80 | 100 | 120 | 150 | 180 | 190 |
| a | 870 (34 3/8) | 1060 (41 3/4) | 1430 (56 3/8) | 1800 (70 7/8) | 2180 (85 7/8) | 2740 (108) | 3300 (130) | 3490 (137 1/2) |
| b | x (x) | | | | | | | |
| c | x-74 (x-3) | | | | | | | |

Method of calculation (unit: mm)

SS: Screen size diagonal (inches)

$$a = 24.275 \times SS / 1.2992 - 64$$

$$b = x$$

$$c = x - 74$$

SONY®

3-862-502-11 (1)

Interface Board

| | |
|--------------------------------|------------------|
| Operating Instructions | Page 2 |
| Mode d'emploi | Page 6 |
| Bedienungsanleitung | Seite 10 |
| Manual de instrucciones | Página 14 |
| Istruzioni per l'uso | Pagina 18 |

IFB-X600E

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English

The IFB-X600E interface board is designed to be mounted on Sony VPL-X600E/S600E LCD data projector so that composite video or S video (Y/C) signals and audio signals from video equipment can be input.

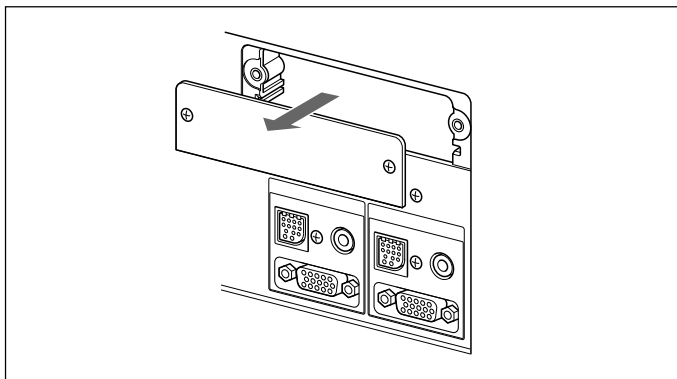
Mounting the IFB-X600E

Note

Before installing the board, make sure the following have been done:

- Turn off the power of the projector.
- Disconnect the projector power cable from the wall outlet.

- 1 Remove the blind plate on the rear of the projector by loosening the two screws with the supplied Philips screwdriver.



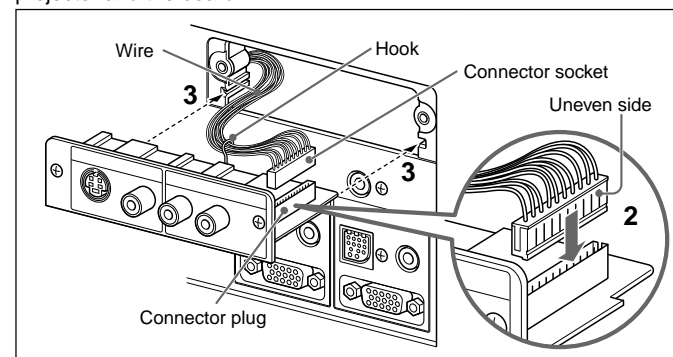
2

- 2 Pull out the connector socket from the projector. Insert the connector socket (set the uneven side on the right) into the interface board connector plug. Gather the wires together and place them in the hook of the interface board.

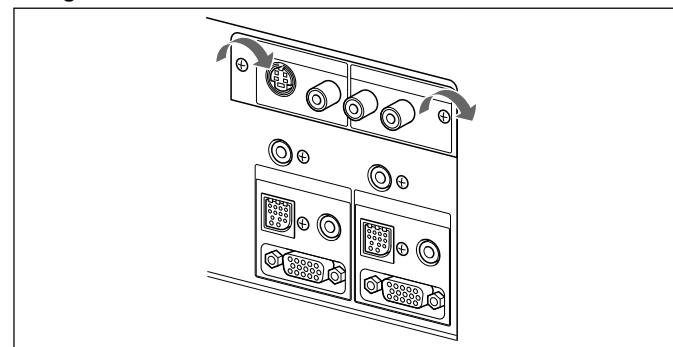
- 3 Insert the interface board by aligning it with the projector guides.

Caution

Make sure that the wire is not caught between the opening of the projector and the board.

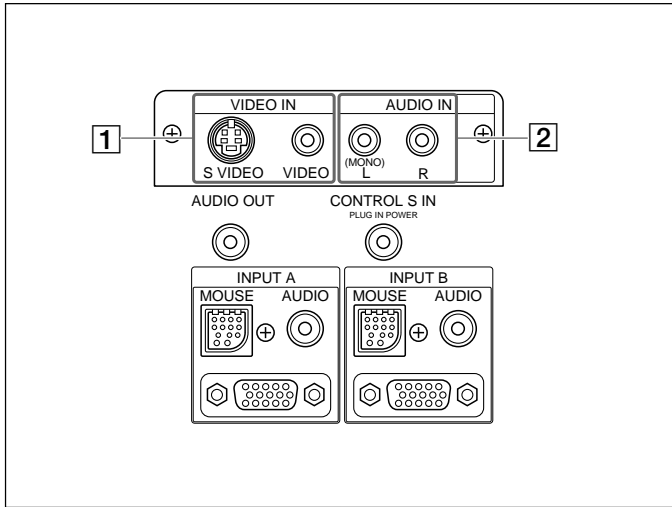


- 4 Tighten the two interface board screws.



3

Location and Function of Parts



1 VIDEO IN jacks

S VIDEO (mini DIN 4-pin): Connects to the S video output (Y/C video output) of a video equipment.

VIDEO (phono type): Connects to the composite video output of video equipment.

Note

If you connect video equipment to both the S VIDEO and VIDEO jacks, the signal from the S VIDEO jack is selected. When projecting the picture via the VIDEO jack, be sure not to connect a cable to the S VIDEO jack.

2 AUDIO IN L (MONO)/R jacks (phono type):

Connect to the audio output of equipment. For stereo equipment, use both the L and R jacks; for monaural equipment, use the L (MONO) jack only.

Specifications

VIDEO IN jacks

S VIDEO (4-pin mini-DIN type):

Y (luminance) signal input: 1 Vp-p \pm 2 dB, sync negative, 75 ohms terminated

C (chrominance) signal input: burst 0.286 Vp-p \pm 2 dB (NTSC), burst 0.3 Vp-p \pm 2 dB (PAL), 75 ohms terminated

VIDEO (phono type):

Composite video signal input, 1 Vp-p \pm 2 dB, sync negative, 75 ohms terminated

AUDIO IN jacks

L (MONO) / R (phono type):

500 mVrms, impedance more than 47 kilohms

Supplied accessories

Audio/Video cable (1)
Philips screwdriver (1)

Design and specifications are subject to change without notice.

SONY®

Projector Suspension Support

Installation manual
Manuel d'installation
Installationshandbuch
Manual de instalación
Manuale d'installazione



PSS-600

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English

Maximum load: 10 kg (22 lb 1 oz)
The PSS-600 suspension support is designed to be used with the Sony VPL-X600U/E/M or VPL-S600U/E/M LCD data projector.

Caution

- For installation, consult with qualified Sony personnel.
- The ceiling should be capable of supporting a weight of at least 60 kg (132 lb 4 oz); if not, the ceiling must be reinforced.
- When you attach the bracket directly to the ceiling, use commercially available M10 bolts with nuts and washers, depending on the ceiling. Use of other bolts, nuts, and washers other than M10 may present a danger of falling.
- Be sure to assemble and attach the bracket in the order indicated; otherwise the projector may fall.

Table of contents

English

Parts List 5

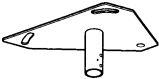


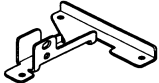

Installation Diagram 8

Attaching to the ceiling 12

Installation Examples 18

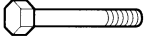




Specifications 22

Parts List

| | | |
|-----|--|---|
| (a) | Upper ceiling mount bracket (1) |  |
| (b) | Adjustment pipe (1) |  |
| (c) | Adjustment pipe (1) |  |
| (d) | Projector mount bracket (1) |  |
| (e) | Bolt M5 x 14 (3) Parts number 4-063-982-01 |  |





5

Parts List

| | | |
|-----|--|---|
| (f) | Bolt M8 x 50 (2) Parts number 4-047-746-11 |  |
| (g) | Screw M4 x 6 (6) Parts number 4-047-765-11 |  |
| (h) | Washer M5 (3) Parts number 4-063-983-01 |  |
| (i) | Washer M8 (4) Parts number 4-047-748-11 |  |
| (j) | Spring washer M5 (3) Parts number 4-063-984-01 |  |

6

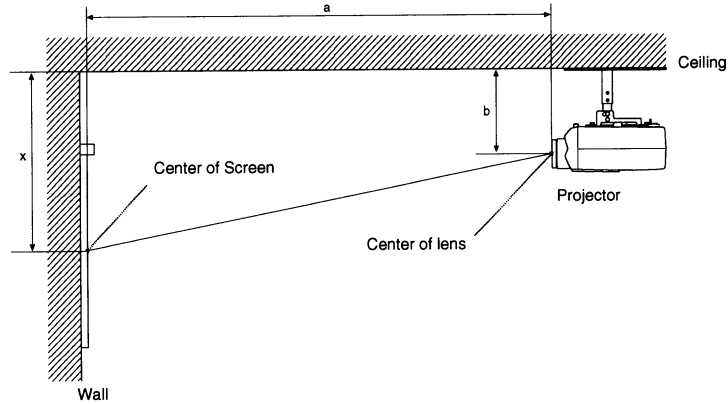
Installation Diagram

| | |
|-----|--|
| (k) | <div>Toothed lock washer M8 (4)</div> <div>Parts number 4-047-743-1 1</div> <div></div> |
| (l) | <div>Nut M8 (2)</div> <div>Parts number 4-047-742-1 1</div> <div></div> |
| (m) | <div>6 mm pin (2)</div> <div>Parts number 4-047-744-1 1</div> <div></div> |
| (n) | <div>Snap pin (2)</div> <div>Parts number 4-047-903-1 1</div> <div></div> |

For details of screen size and installation measurement for projection, refer to the following manuals:

- Operating Instructions
- Installation Manual for Dealers
- Installation Manual of the projection lens (when using the optional lens)

Side view

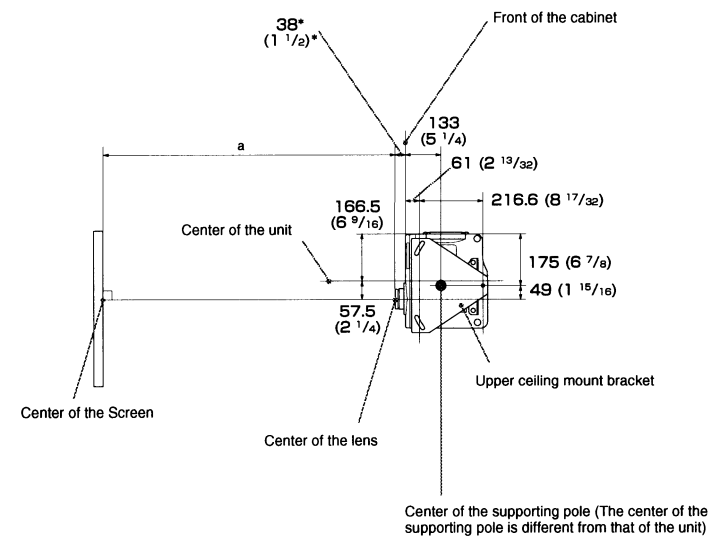


- a: Distance between the screen and the center of lens
- b: Distance between the ceiling and the center of lens. For details, see page 11.
- x: Distance between the ceiling and the center of screen

Installation Diagram

Top view

Align the center of the lens with the center of the screen.

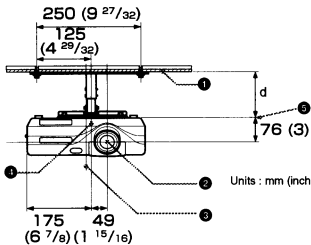


Units : mm (inches)

* When using the standard lens equipped with VPL-X600U/E/M / S600U/E/M

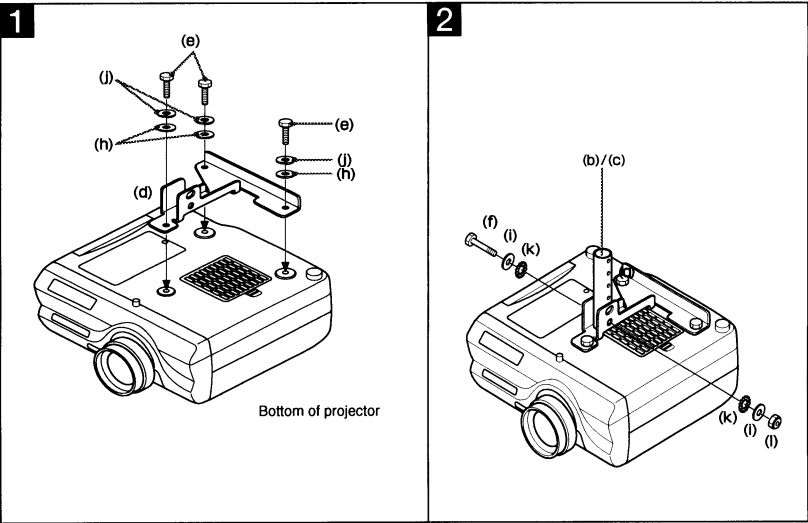
Front view

The lens is offset 49 mm (1 15/16 inches) to the right from the center of the supporting pole. When mounting, take care to align the center of the lens with the center of the screen; not the center of the supporting pole.



d: Distance between the ceiling and the surface of the mounting bracket
 Using adjustment pipe (b) : 150/175/200 mm (6/7/7 7/8 inches)
 Using adjustment pipe (c) : 250/275/300 mm (9 7/8 /10 7/8 /11 7/8 inches)

Attaching to the ceiling



English

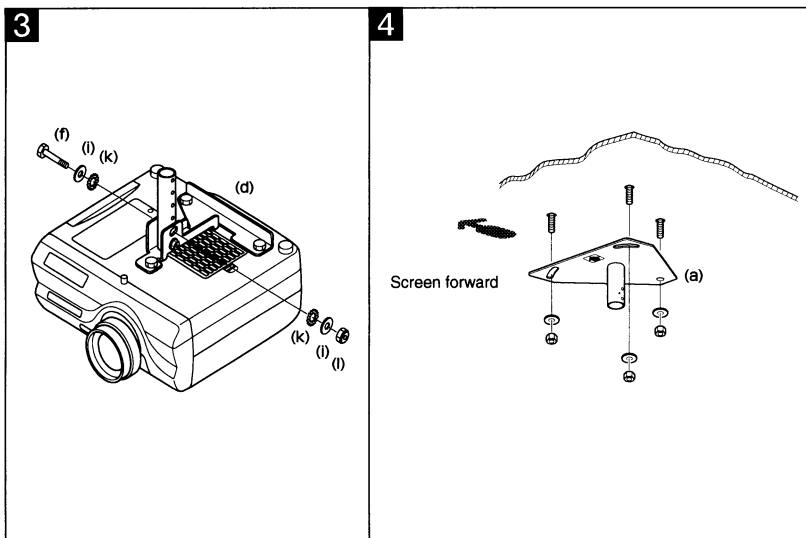
- 1 Turn the projector upside down and attach the projector mount bracket (d) using three bolts M5 x 14 (e), three washers M5 (h) and three spring washers M5 (j).

Notes

- When attaching the bracket, be careful not to overtighten the bolts.
- Before attaching the projector mount bracket, place a protective sheet (cloth) beneath the projector.

- 2 Attach adjustment pipe (b) or (c) to projector mount bracket (d) using a bolt M8 x 50 (f), two washers M8 (i), two toothed lock washers M8 (k) and a nut M8 (l).
 Adjustable height using the pipe (b) is 150/175/200 mm (6/7/7 7/8 inches).
 Adjustable height using the pipe (c) is 250/275/300 mm (9 7/8 /10 7/8 /11 7/8 inches).

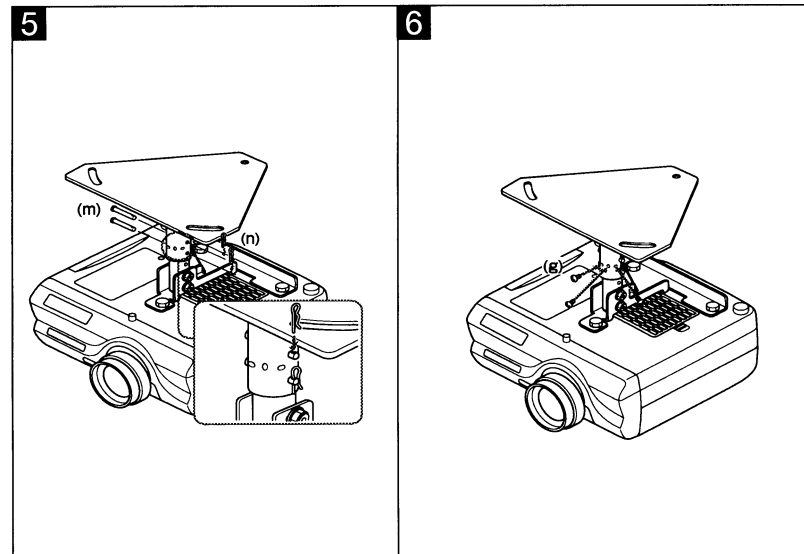
Attaching to the ceiling



English

- 3** Attach the adjustment pipe to the projector mount bracket (d) using a bolt M8 x 50 (f), two toothed lock washers M8 (k), two washers M8 (i) and a nut M8 (l).
Attach the pipes so that the projector becomes level. You may tilt the projector slightly, but this will make the projected picture trapezoidal.
- 4** Attach the upper ceiling mount bracket (a) to the ceiling.
Use M 10 bolts, nuts and washers (not supplied).

Attaching to the ceiling



English

- 5** Insert the adjustment pipe into the upper ceiling mount bracket (a). Attach the pipe with the two 6 mm pins (m) and the two snap pins (n).
Pipe (b) can be adjusted to a height of 150/175/200 mm (6/7/7 7/8 inches); pipe (c) can be adjusted to a length of between 250/275/300 mm (9 7/8/10 1/8/11 1/8 inches).
- 6** Secure the ceiling mount bracket (a) and the adjustment pipe you attached in step 5.
Use six M4 x 6 bolts (g).
Then, tighten the bolts you attached in step 3 to secure the adjustment pipe.

Installation Examples

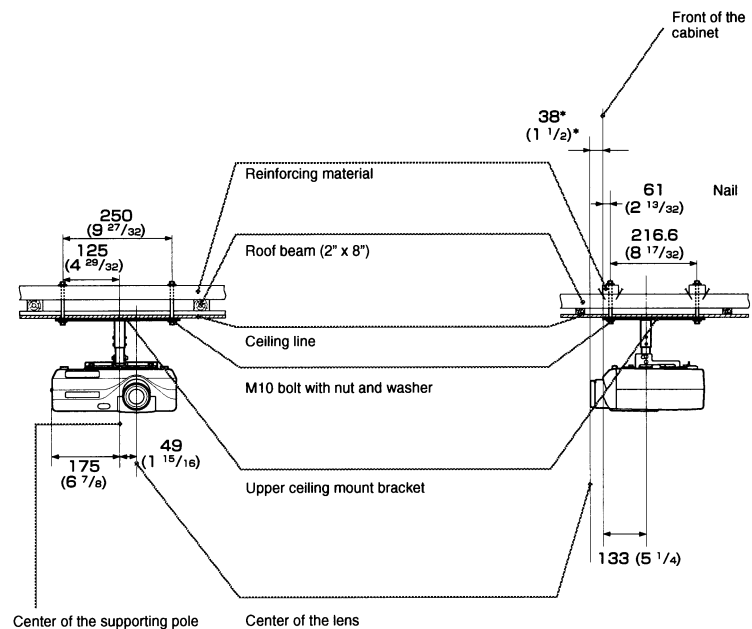
The following illustrations show the projector suspension support attached to with the ceiling. Installation is different depending on the material of ceiling.

Caution

Before installation, check that the maximum ceiling loading is in excess of 60 kg (132 lb 4 oz) .

For wooden ceiling

For one-story house or uppermost floor

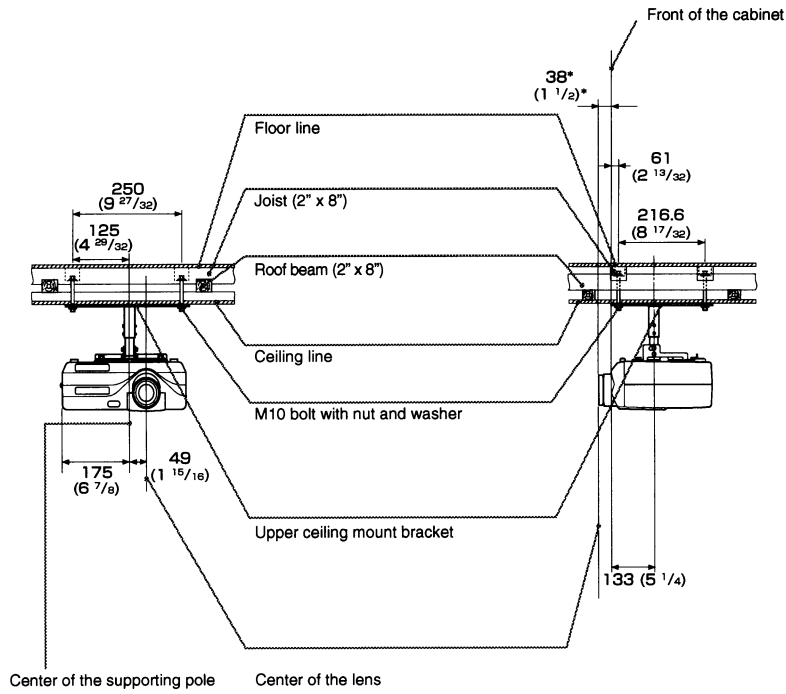


* When using the standard lens equipped with VPL-X600U/E/M / S600U/E/M

Units : mm (inches)

Installation Examples

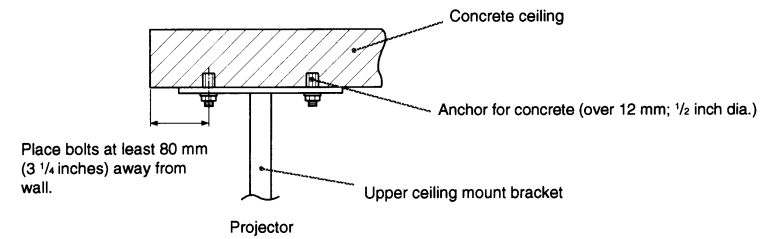
For other floors



* When using the standard lens equipped with VPL-X600U/E/M / S600U/E/M

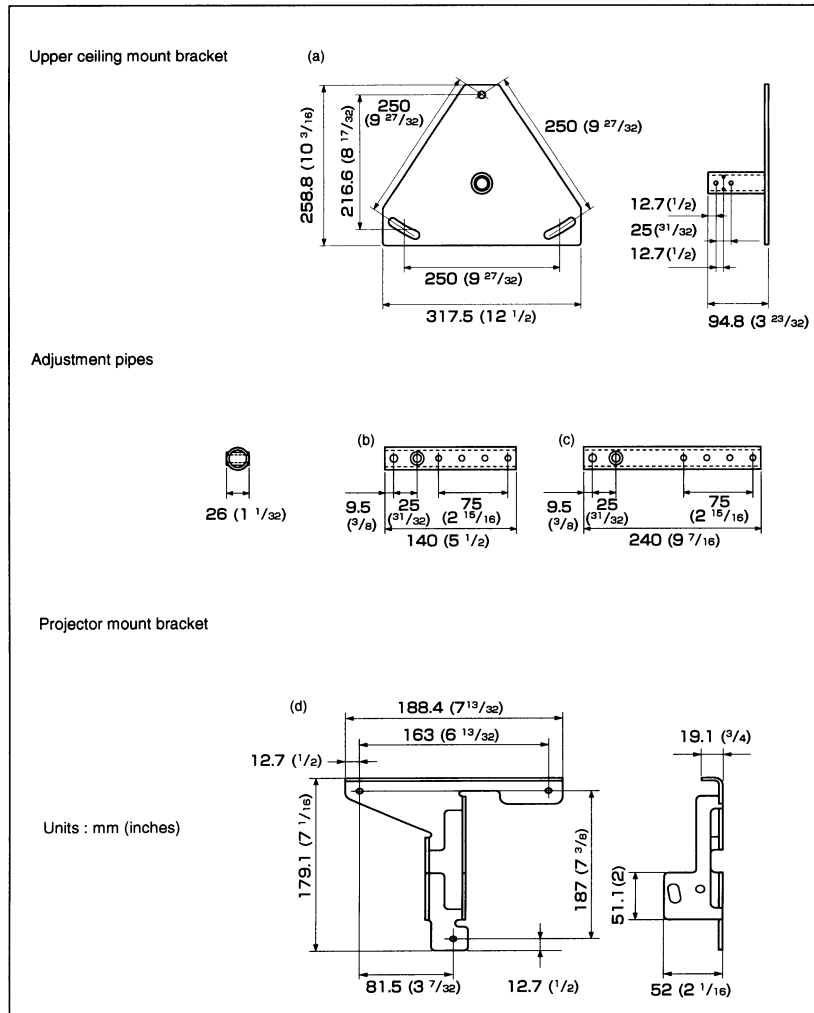
Units : mm (inches)

For concrete ceiling

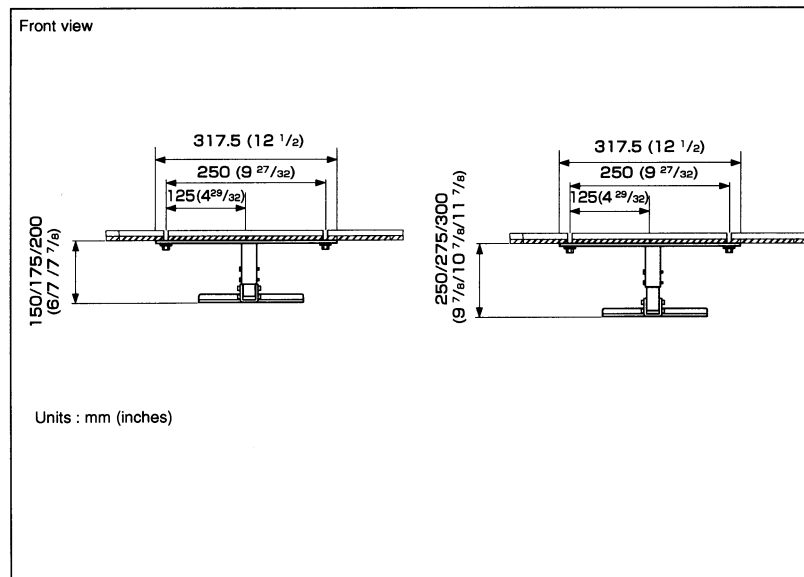


Specifications

Dimensions



Dimensions of the assembled bracket



Mass Approx. 2.7 kg (5 lb 15 oz)

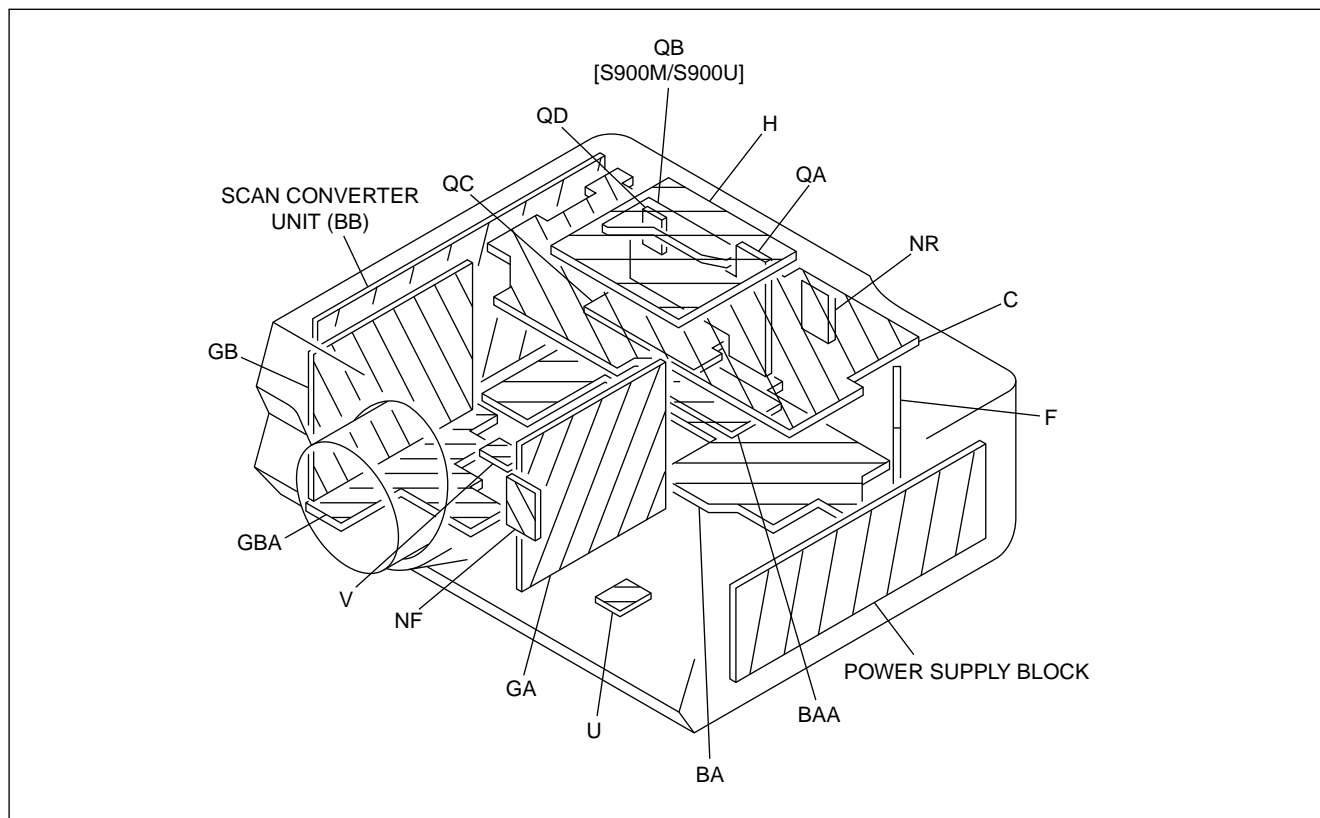
Loading Maximum loading :10 kg (22 lb 1 oz)

Design and specifications are subject to change without notice.

SECTION 2

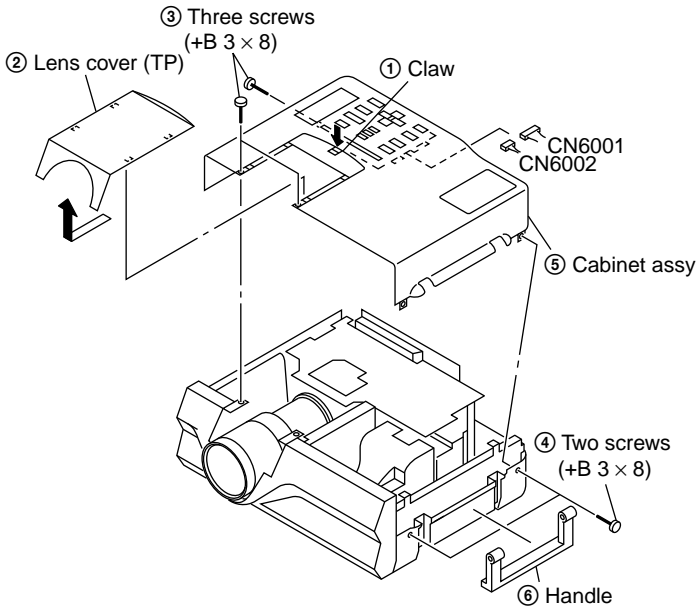
SERVICE INFORMATION

2-1. CIRCUIT BOARDS LOCATION

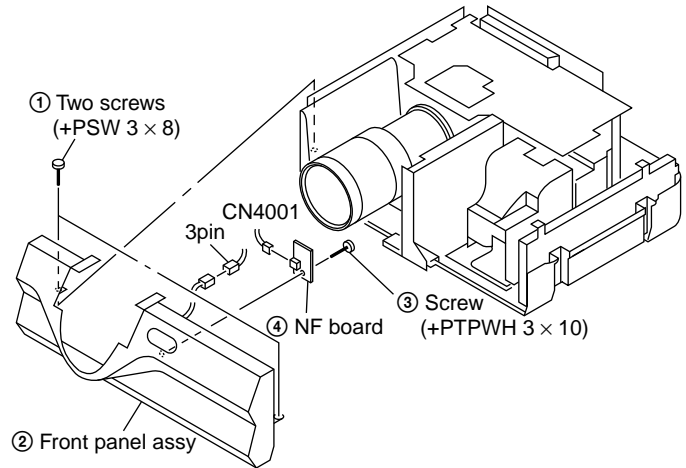


2-2. DISASSEMBLY

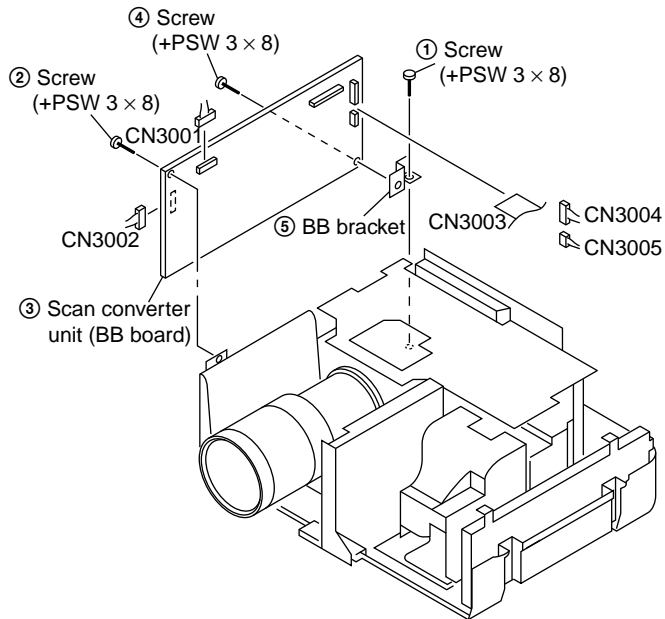
2-2-1. Cabinet Assy Removal



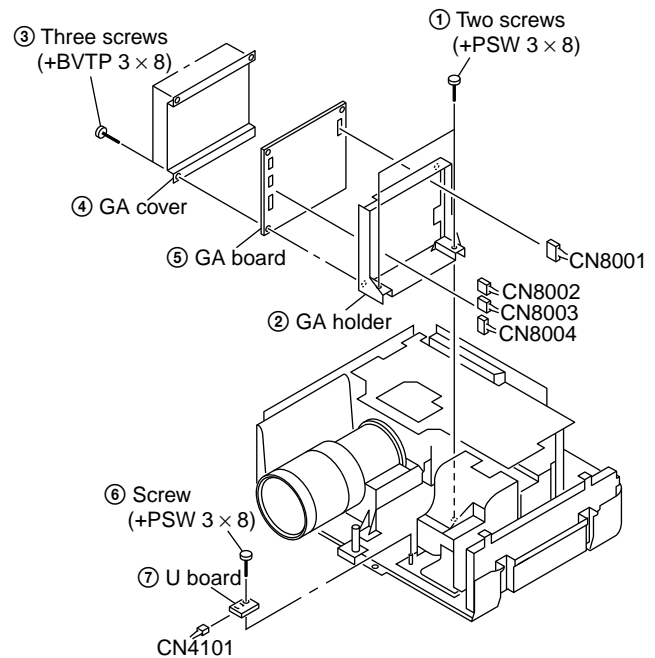
2-2-2. Front Panel Assy and NF Board Removal



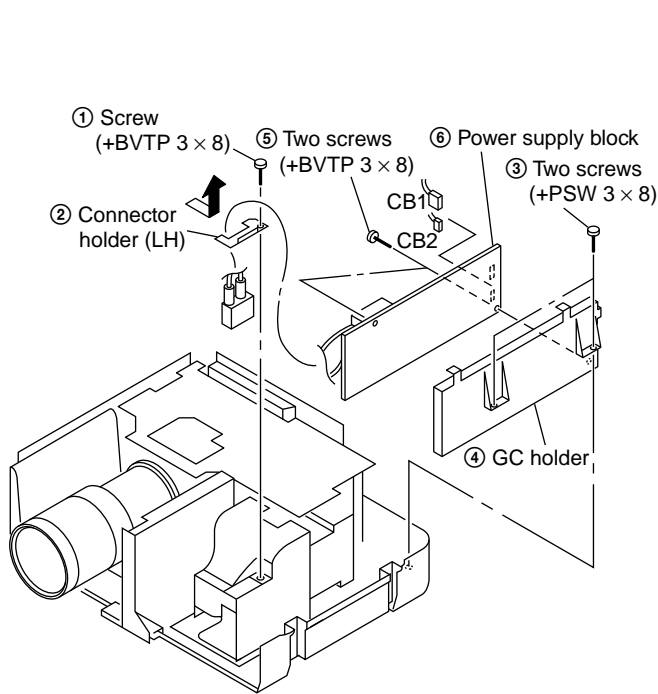
2-2-3. Scan Converter Unit Removal



2-2-4. GA and U Boards Removal

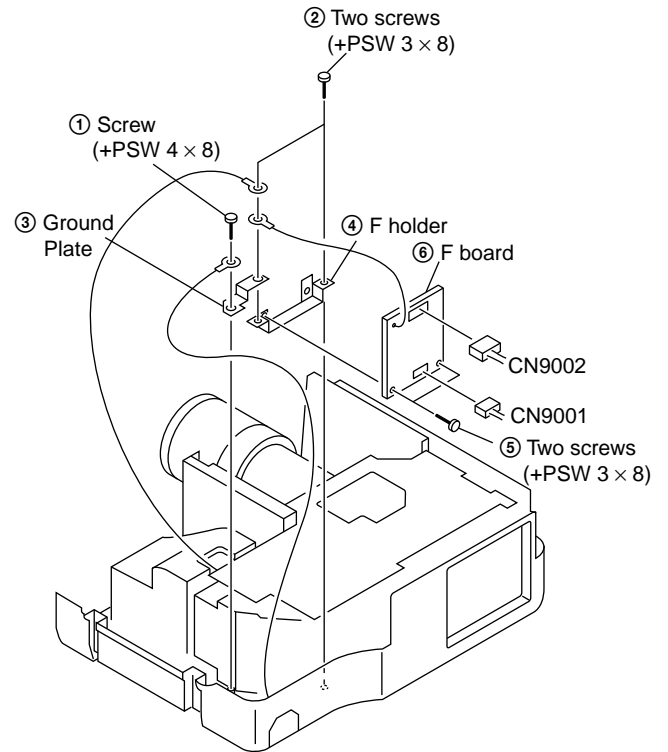


2-2-5. Power Supply Block Removal

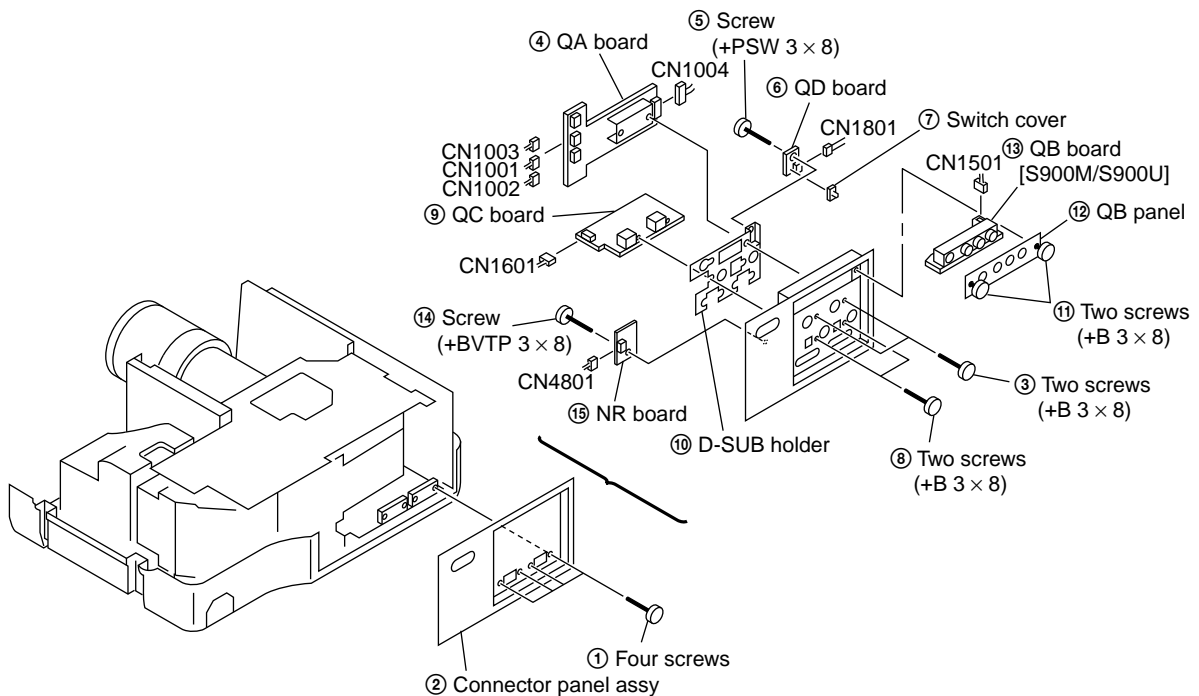


2-2-6. F Board Removal

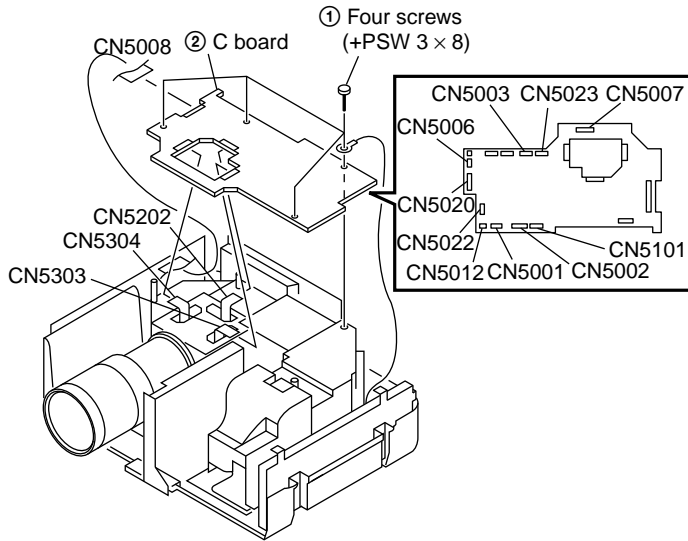
- Remove the power supply block. (Refer to 2-2-5.)



2-2-7. Connector Panel Assy, QA, QB, QC, QD and NR Boards Removal



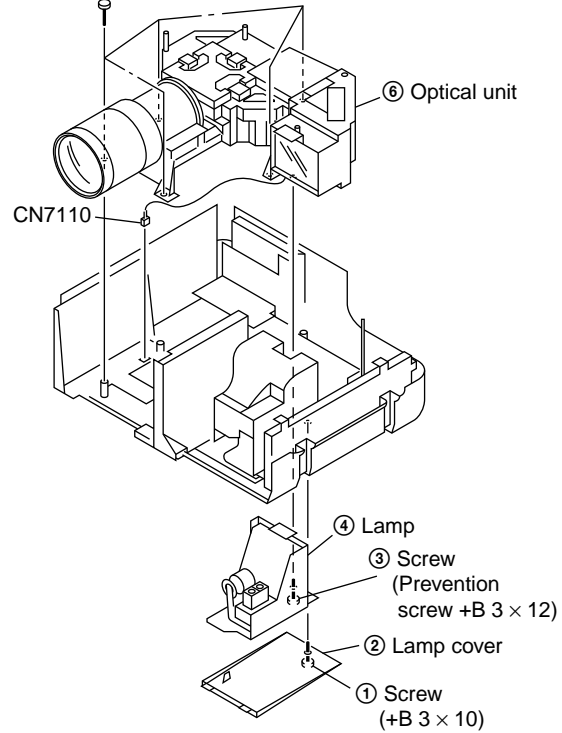
2-2-8. C Board Removal



2-2-9. Optical Unit Removal

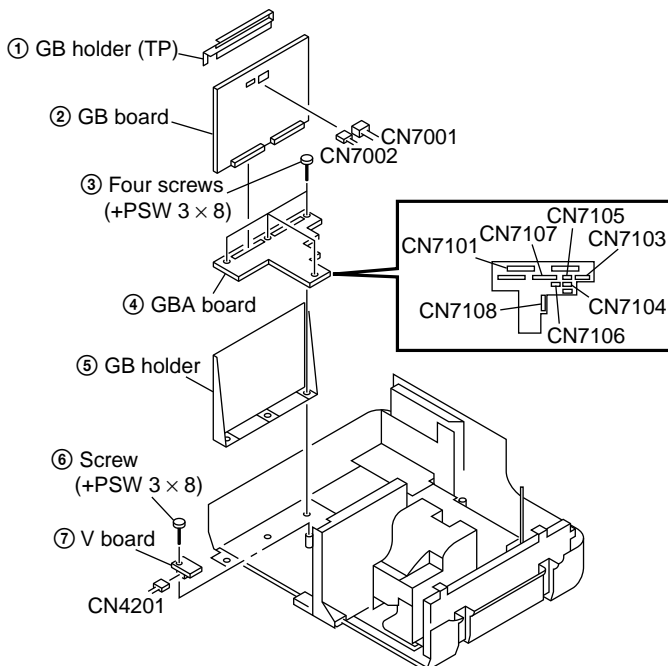
- Remove the C board (Refer to 2-2-8.)

⑤ Five screws
(+PSW 4 × 12)



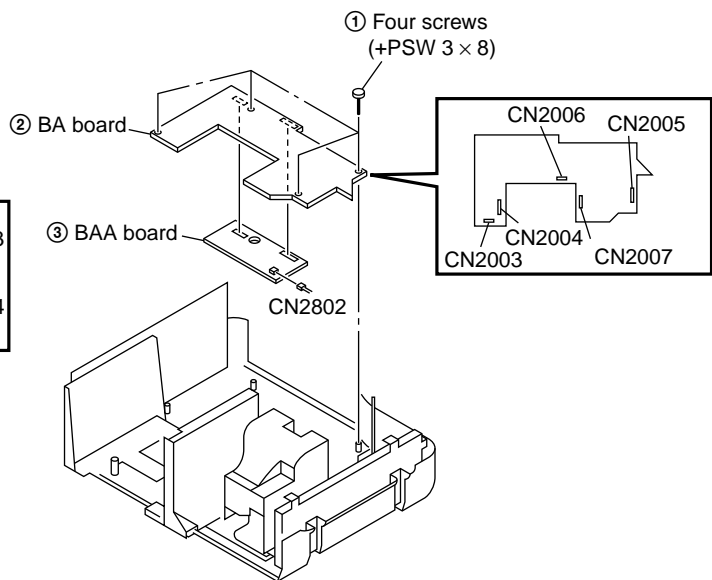
2-2-10. GB, GBA and V Boards Removal

- Remove the scan converter unit (Refer to 2-2-3.)
- Remove the C board (Refer to 2-2-8.)
- Remove the optical unit (Refer to 2-2-9.)

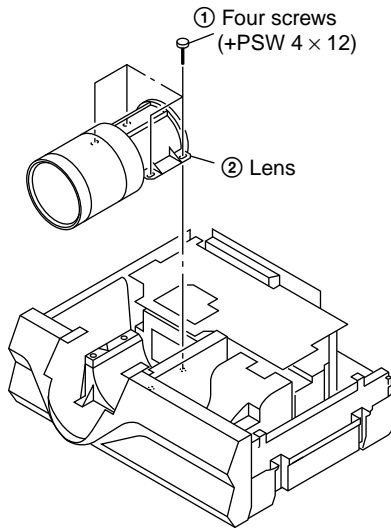


2-2-11. BA and BAA Boards Removal

- Remove the connector panel assy (Refer to 2-2-7.)
- Remove the C board (Refer to 2-2-8.)
- Remove the optical unit (Refer to 2-2-9.)



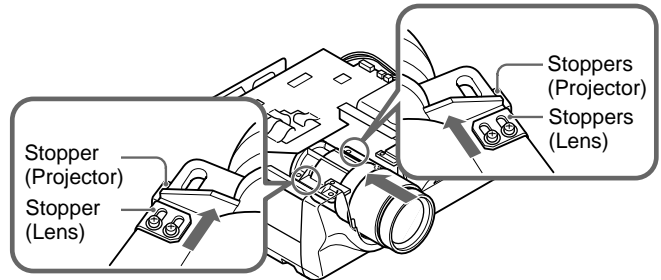
2-2-12. Lens Removal




2-2-13. Lens Adjustment

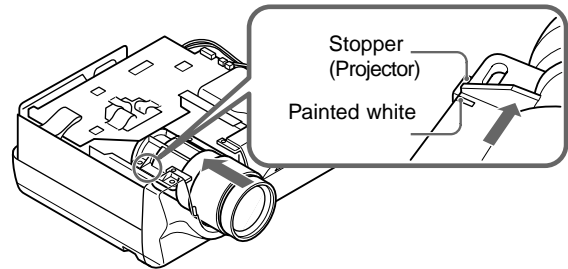
Install the lens with the lens stopper and the projector stopper met at their edges.

- Notes:**
- When you install the standard lens, make sure that lens stoppers and projector stoppers are met on both sides.
 - For ease in identification when you install the lens, make sure that the label on the lens is facing up.



When the lens does not have a stopper

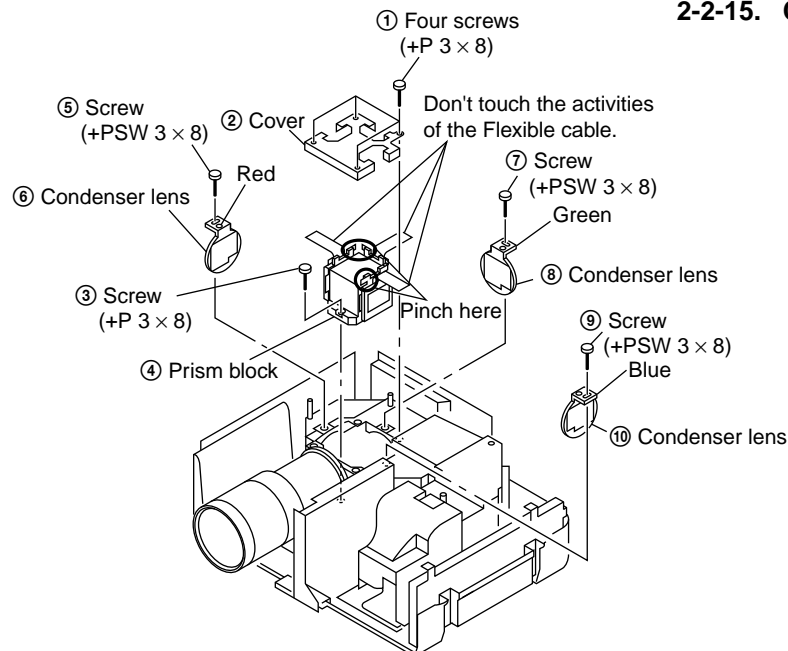
Align the painted white mark () on the lens with the edge of the stopper in the projector.



2-2-14. Prism Block and Condenser Lens Removal

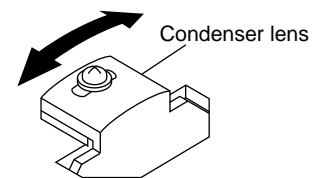
- Remove the C board (Refer to 2-2-8.)

Note : Don't touch prism glass and LCD panel, especially the activities of the Flexible cable.



2-2-15. Condenser Lens Adjustment

Adjust to be darkened



- 0% Flat Field Input
- CONT=80, BRT=MIN

SECTION 3

ADJUSTMENTS

Enter the FACTORY MODE in the following manner:

How to enter the FACTORY MODE:

1. Check that the STATUS in the MENU is ON.
2. Turn OFF the MENU.
3. Press the keys **ENTER** → **ENTER** → **LEFT** → **ENTER**, in this order.
4. <Do you wish to enter into the FACTORY MODE ?> appears.
5. Select YES.

3-1. VCOM ADJUSTMENT

1. Input the green single-color SVGA 1H inverted signal to the INPUT A.
2. Set both CONTRAST and BRIGHT to 50.
3. The G VCOM adjustment screen of the Device Adjust appears.
4. Select the point at which the flicker is minimum.
5. Input the red and blue single-color 1H inverted signal, respectively, and adjust R VCOM and B VCOM so that the flicker will be a minimum.
6. Save the adjusted value.

3-2. SIGNAL LEVEL ADJUSTMENT

Y MODE : GRAPHICS

INPUT A : SVGA 10 steps

VIDEO : NTSC 100% COLOR BAR

Set CONTRAST to 80 and BRIGHT to 50 (RESET).

W/B : HIGH mode

3-2-1. RGB Level Adjustment

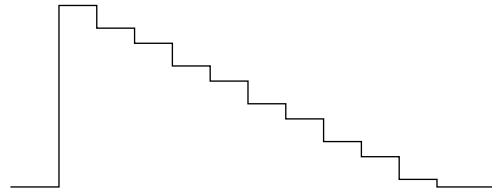
1. Adjust M52337 R, G, and B GAIN, as well as M52337 R, G, and B BIAS, so that the levels of TP5106, TP5105, and TP5104 will be within the specification.
2. Save the adjustment value.

RGB LEVEL specifications.

All of TP5106, TP5105, and TP5104

0 IRE 2.00 ± 0.02 Vdc

100 IRE 3.00 ± 0.02 Vdc



3-2-2. VIDEO Level Adjustment

1. COMPONENT VIDEO Adjustment

The Y/color difference signal of the COMPONENT input must be adjusted using the following inputs signal.

Y = 0.7 V ped-100 IRE

R-Y/B-Y = 0.7 V p-p

1. Reduce the Color to MIN.
2. Connect the 15 k Component 100% color bar signal to the INPUT A.
3. Adjust M52337 R, G and B GAIN and M52337 R, G and B BIAS respectively until signal level at TP5106, TP5105 and TP5104 satisfies the specifications.
4. Save the adjustment value.
5. Return the Color to 50.

VIDEO LEVEL specifications

TP5014

0 IRE 2.00 ± 0.05 V dc

100 IRE 2.90 ± 0.05 Vdc

Do not touch the CXA1839 VIDEO CONT and YUV CONT.

2. COMPOSITE VIDEO Adjustment

1. Reduce the Color to MIN.
2. Connect the NTSC 100% color bar signal to the VIDEO.
3. Adjust the CXA1839 CONTRAST and BRIGHT until signal level at TP5104 satisfies the specifications.
4. Save the adjustment value.
5. Connect the PAL 100% color bar signal to the VIDEO.
6. Adjust the CXA1839 CONTRAST and BRIGHT until signal level at TP5104 satisfies the specifications.
7. Memorize the adjustment value.
8. Return the Color to 50.

VIDEO LEVEL specifications

TP5014

0 IRE 2.00 ± 0.05 V dc

100 IRE 2.90 ± 0.05 Vdc

3-2-3. Adjustment of VIDEO SUB HUE and COLOR

1. Set both VIDEO and INPUT A to Color to 40.
2. Set “b = c” by means of CXA1839 SUB HUE so that the level of TP5104 will be within the specification.

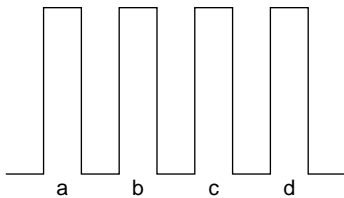
Set “a = d” by means of CXA1839 VIDEO COLOR or YUV COLOR.

Adjust the tracking of the above two items.

3. Save the adjustment value.
Adjust NTSC, PAL, and Component, respectively.
Adjust PAL only by VIDEO COLOR.
Adjust the Component only by YUV COLOR.

4. Return the Color back to 50.

Specifications for VIDEO COLOR HUE adjustment:



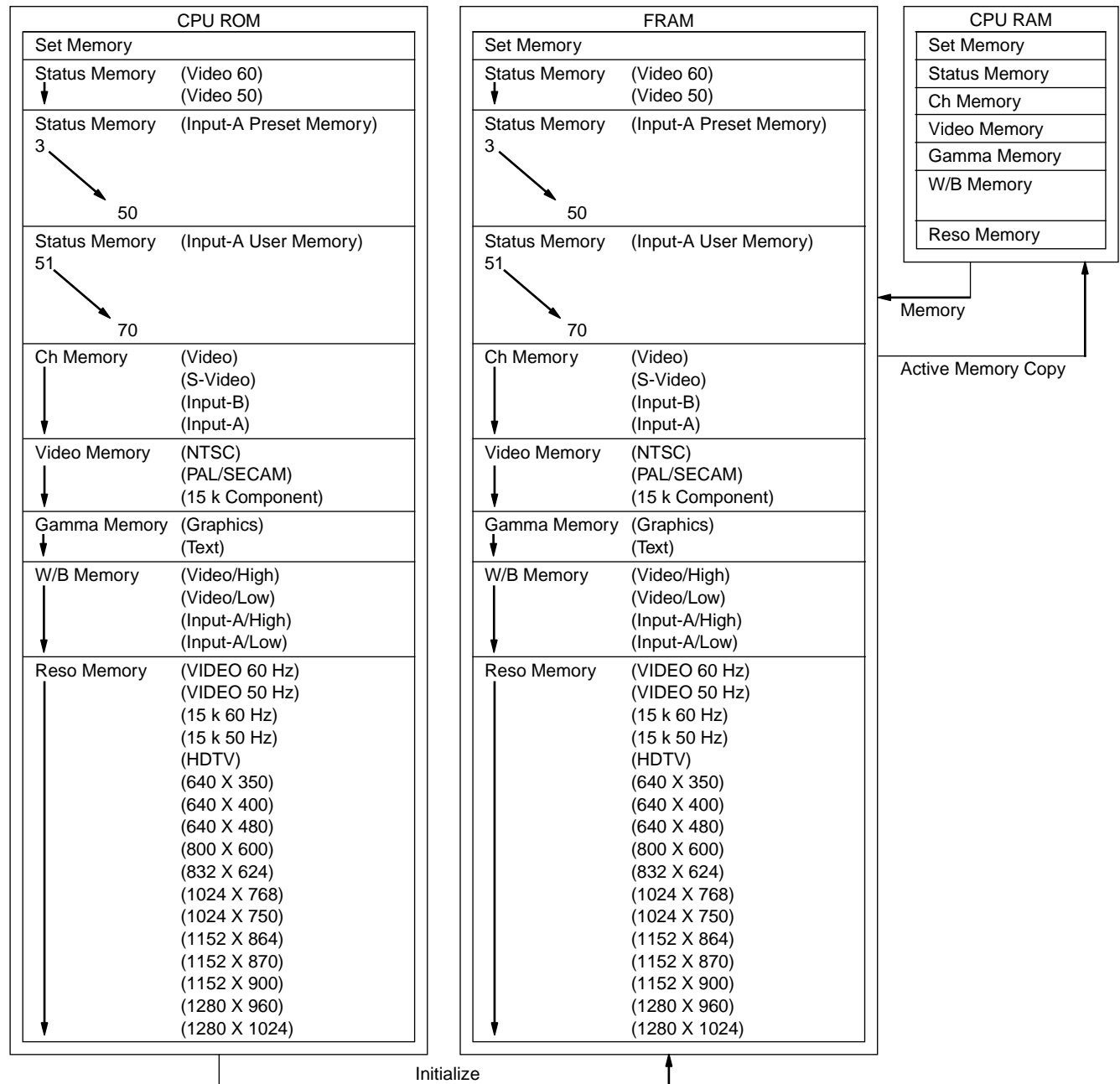
TP5104: $a = b \pm 10\%$

3-3. X1000&S900 SERIES MEMORY STRUCTURE

ROM in CPU: 128 kbyte Flash Memory

RAM in CPU: 4 kbyte

External NVM Memory: 2 kbyte FRAM Memory × 2



The memory structure of X1000 & S900 Series basically follows 600 Series and is divided into the following memory blocks:

1. Set memory
2. Status memory
3. Channel memory
4. Video memory
5. Gamma memory
6. W/B memory
7. Reso Memory

The X1000 & S900 Series differs from the 600 Series as follows.

1. The memory is divided into the VIDEO system memory (including 15 k Component/HDTV) system and the RGB system memory in the "6. W/B Memory".
2. "7. Reso Memory" is added.

<Data flow>

When the power is turned on for the first time, all data in the ROM are written into the FRAM, and status memory, as well as other memory data necessary for the present image, is selected from each memory block and developed in the internal CPU RAM.

When adjustment is made, the writing of adjusted data into the FRAM is conducted automatically or triggered by memory operation.

Like 600 Series, the factory memory, service memory, and user memory are unified into one. The data that has been set in the factory will be deleted when any adjustments or any memory operation is performed by user or during service.

However, there are two memory blocks that can be reset and will cause no problems even when data that has been adjusted in the factory is deleted. That two memory blocks are “2. Status Memory” and “3. Channel Memory”.

Adjustment Data and Initial Value 1

| Menu Title | Item Name | Memory Name | | | | | | | | SET MEMORY |
|---------------|----------------|-------------|---------|-------------|-------------|------------|-----|------|-----|-------------|
| | | CH MEMORY | | | | W/B MEMORY | | | | |
| | | VIDEO | S VIDEO | INPUT-A | INPUT-B | VIDEO | | RGB | | |
| | | | | | | HIGH | LOW | HIGH | LOW | |
| PICTURE CTRL | CONTRAST | 80 | 80 | 80 | 80 | | | | | |
| | BRIGHT | 50 | 50 | 50 | 50 | | | | | |
| | COLOR | 50 | 50 | 50 | 50 | | | | | |
| | HUE | 50 | 50 | 50 | 50 | | | | | |
| | SHARP | 50 | 50 | 50 | 50 | | | | | |
| | D.PICTURE | OFF | OFF | — | — | | | | | |
| | GAMMA MODE | — | — | GRAPHICS | GRAPHICS | | | | | |
| | COLOR TEMP | LOW | LOW | HIGH | HIGH | | | | | |
| | COLOR SYS | AUTO | AUTO | — | — | | | | | |
| | VOLUME | 50 | 50 | 50 | 50 | | | | | |
| INPUT SETTING | DOT PHASE | Each Signal | | Each Signal | Each Signal | | | | | |
| | SIZE | | | | | | | | | |
| | SHIFT | | | | | | | | | |
| | ASPECT | 4 : 3 | | — | — | | | | | |
| | SCAN CONV | — | | ON | ON | | | | | |
| SET SETTING | STATUS | | | | | | | | | ON |
| | INPUT-A | | | | | | | | | RGB |
| | INPUT-B | | | | | | | | | RGB |
| | LANGUAGE | | | | | | | | | ENGLISH |
| | INSTALLATION | | | | | | | | | FLOOR-FRONT |
| | SPEAKER | | | | | | | | | ON |
| | POWER SAVING | | | | | | | | | OFF |
| | SIRCS RECEIVER | | | | | | | | | FRONT&REAR |
| W/B ADJUST | GAIN R | | | | | 81 | 83 | 89 | 94 | |
| | GAIN G | | | | | 69 | 74 | 89 | 84 | |
| | GAIN B | | | | | 88 | 88 | 89 | 94 | |
| | BIAS R | | | | | 194 | 193 | 195 | 195 | |
| | BIAS G | | | | | 194 | 193 | 194 | 193 | |
| | BIAS B | | | | | 193 | 192 | 194 | 194 | |

* Each input signal (PRESET MEMORY No.) has its own initial value with respect to “DOT PHASE•SIZE H•SHIFTH/V” on the “INPUT SETTING” menu.

Adjustment Data and Initial Value 2

| Device Name | Item Name | Memory Name | | | | | | | | | | | | Remark |
|-------------|--------------|---------------|---------------|---------------|-----|-----------------|------|---------------|--------------|-------------|------------|------------------|------------------|-------------|
| | | SET MEMORY | SIGNAL MEMORY | | | GAMMA MEMORY | | W/B MEMORY | | | | STATUS MEMORY | STATUS MEMORY | |
| | | | NTSC | PAL/ SECAM | YUV | GRAPH | TEXT | VIDEO HIGH | VIDEO LOW | RGB HIGH | RGB LOW | | | |
| RGB MTRX | CONTRAST | | 35 | 36 | 44 | | | | | | | | | |
| | BRIGHT | | 30 | 30 | 33 | | | | | | | | | |
| | SUB HUE | | 10 | 7 | 7 | | | | | | | | | |
| | SUB BRT | | 7 | 7 | 7 | | | | | | | | | |
| | R-Y/R | | 11 | 11 | 10 | | | | | | | | | fixed value |
| | R-Y/B | | 13 | 13 | 13 | | | | | | | | | fixed value |
| | G-Y/R | | 6 | 6 | 6 | | | | | | | | | fixed value |
| | G-Y/B | | 5 | 5 | 5 | | | | | | | | | fixed value |
| | VIDEO CON | | 7 | 7 | 7 | | | | | | | | | fixed value |
| | VIDEO COL | | 12 | 13 | 7 | | | | | | | | | |
| | YUV CON | | 7 | 7 | 4 | | | | | | | | | fixed value |
| | YUV COL | | 7 | 7 | 10 | | | | | | | | | |
| | SUB SHP | | 1 | 1 | 1 | | | | | | | | | fixed value |
| | SHPF0 | | 1 | 1 | 1 | | | | | | | | | fixed value |
| | PRE OVER | | 3 | 3 | 1 | | | | | | | | | fixed value |
| | NR LVL | | 3 | 3 | 0 | | | | | | | | | fixed value |
| | DMIC PIC | 2 | | | | | | | | | | | | fixed value |
| | CEC LVL | | 3 | 3 | 2 | | | | | | | | | fixed value |
| | D.COM | VENH | 0 | | | | | | | | | | | |
| A.P. | LOUDNESS | 0 | | | | | | | | | | | | fixed value |
| | BASS | 2 | | | | | | | | | | | | fixed value |
| | BASS BOOST | 0 | | | | | | | | | | | | fixed value |
| | TREBLE | 0 | | | | | | | | | | | | fixed value |
| | TREBLE BOOST | 0 | | | | | | | | | | | | fixed value |
| | FADER | 10 | | | | | | | | | | | | fixed value |
| | FADER_SEL | 0 | | | | | | | | | | | | fixed value |
| C.DEC | Y DELAY | | 0 | 0 | 0 | | | | | | | | | fixed value |
| GK | ENB | | 1 | 1 | 0 | | | | | | | | | fixed value |
| | PKG | | 36 | 36 | 36 | | | | | | | | | fixed value |
| | SP | | 45 | 45 | 45 | | | | | | | | | fixed value |
| | CR | | 20 | 20 | 20 | | | | | | | | | fixed value |
| P.DRV | G VCOM | 40 | | | | | | | | | | | | |
| | R VCOM | 50 | | | | | | | | | | | | |
| | B VCOM | 70 | | | | | | | | | | | | |
| | SCEN | 149 | | | | | | | | | | | | |
| RGB AMP | SID LVL | 72 | | | | | | | | | | | | fixed value |
| | OSD LVL | 83 | | | | | | | | | | | | fixed value |
| | PRG LVL | 161 | | | | | | | | | | | | fixed value |
| UF | RL1 | | | | | | | 50 | 50 | 50 | 50 | | | fixed value |
| | RL2 | | | | | | | 50 | 50 | 50 | 50 | | | fixed value |

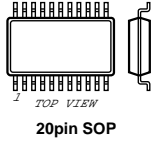
| Device Name | Item Name | Memory Name | | | | | | | | | | | | Remark |
|-------------|---------------|---------------|---------------|---------------|-----|-----------------|------|------------|-----|------|-----|------------------|------------------|-------------|
| | | SET MEMORY | SIGNAL MEMORY | | | GAMMA MEMORY | | W/B MEMORY | | | | STATUS MEMORY | STATUS MEMORY | |
| | | | NTSC | PAL/ SECAM | YUV | | | VIDEO | | RGB | | | | |
| | | | | | | GRAPH | TEXT | HIGH | LOW | HIGH | LOW | | | |
| UF | RL3 | | | | | | | 50 | 50 | 50 | 50 | | | fixed value |
| | BL1 | | | | | | | 50 | 50 | 50 | 50 | | | fixed value |
| | BL2 | | | | | | | 50 | 50 | 50 | 50 | | | fixed value |
| | BL3 | | | | | | | 50 | 50 | 50 | 50 | | | fixed value |
| | RP1 | | | | | | | 255` | 255 | 255 | 255 | | | fixed value |
| | RP2 | | | | | | | 0 | 0 | 0 | 0 | | | fixed value |
| | BP1 | | | | | | | 255 | 255 | 255 | 255 | | | fixed value |
| | BP2 | | | | | | | 0 | 0 | 0 | 0 | | | fixed value |
| GAMMA | BLK LIM | | | | | 100 | 100 | | | | | | | fixed value |
| | OSD_DOT | 0 | | | | | | | | | | | | fixed value |
| | G-SBRT | | | | | 155 | 163 | | | | | | | |
| | R-SBRT | | | | | 153 | 165 | | | | | | | |
| | B-SBRT | | | | | 148 | 158 | | | | | | | |
| | G GAIN | | | | | 106 | 64 | | | | | | | |
| | R GAIN | | | | | 135 | 70 | | | | | | | |
| | B GAIN | | | | | 121 | 69 | | | | | | | |
| | G B2P | | | | | 218 | 218 | | | | | | | fixed value |
| | G B1P | | | | | 200 | 200 | | | | | | | |
| | G WHP | | | | | 37 | 37 | | | | | | | fixed value |
| | R B2P | | | | | 218 | 218 | | | | | | | fixed value |
| | R B1P | | | | | 198 | 198 | | | | | | | |
| | R WHP | | | | | 37 | 37 | | | | | | | fixed value |
| | B B2P | | | | | 218 | 218 | | | | | | | fixed value |
| | B B1P | | | | | 199 | 199 | | | | | | | |
| | B WHP | | | | | 37 | 37 | | | | | | | fixed value |
| | GAMMA OFF | 0 | | | | | | | | | | | | |
| | TG | SLFR | 0 | | | | | | | | | | | |
| GAMMA SH2 | | | | | | 10 | 10 | | | | | | | fixed value |
| GAMMA SH1 | | | | | | 11 | 11 | | | | | | | fixed value |
| SC | PLL CP DIV | 0 | | | | | | | | | | | | fixed value |
| | SHOGA | 0 | | | | | | | | | | | | fixed value |
| | v END MAX | | | | | | | | | | | Each signal | | fixed value |
| | SYNCHRO Fv | | | | | | | | | | | Each signal | | fixed value |
| | VinitEV | | | | | | | | | | | | Each Reso. | |
| | VinitOd | | | | | | | | | | | | Each Reso. | |
| | Sluten | | | | | | | | | | | | Each Reso. | fixed value |
| | ScSlut0 | | | | | | | | | | | | Each Reso. | fixed value |
| | ScSlut1 | | | | | | | | | | | | Each Reso. | fixed value |
| | ScSlut2 | | | | | | | | | | | | Each Reso. | fixed value |
| | ScSlut3 | | | | | | | | | | | | Each Reso. | fixed value |
| | ScSlut4 | | | | | | | | | | | | Each Reso. | fixed value |

| Device Name | Item Name | Memory Name | | | | | | | | | | | | Remark |
|-------------|-----------|---------------|---------------|---------------|-----|-----------------|------|------------|-----|------|-----|------------------|------------------|-------------|
| | | SET MEMORY | SIGNAL MEMORY | | | GAMMA MEMORY | | W/B MEMORY | | | | STATUS MEMORY | STATUS MEMORY | |
| | | | NTSC | PAL/ SECAM | YUV | | | VIDEO | | RGB | | | | |
| | | | | | | GRAPH | TEXT | HIGH | LOW | HIGH | LOW | | | |
| SC | ScSlut5 | | | | | | | | | | | | Each Reso. | fixed value |
| | ScSlut6 | | | | | | | | | | | | Each Reso. | fixed value |
| | ScSlut7 | | | | | | | | | | | | Each Reso. | fixed value |
| | TempLamp | 448 | | | | | | | | | | | | fixed value |
| | TempPanel | 608 | | | | | | | | | | | | fixed value |

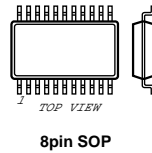
SECTION 4

SEMICONDUCTORS

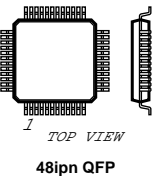
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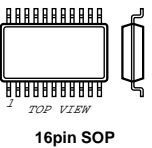
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MM1111XFBF
MM1112XFBF
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TC7W00F
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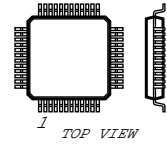
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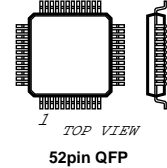
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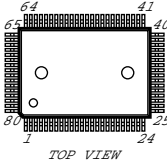
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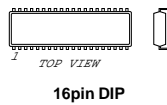
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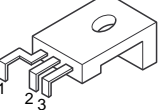
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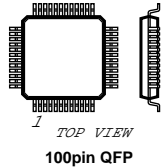
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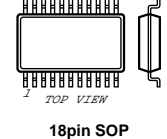
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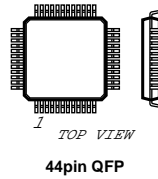
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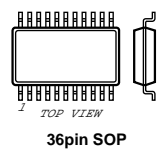
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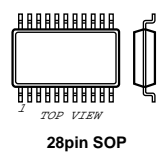
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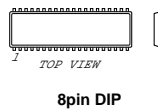
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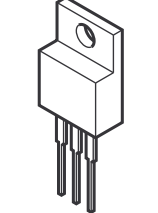
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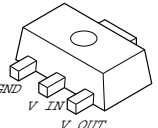
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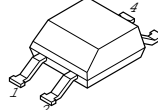
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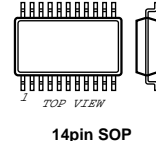
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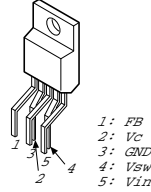
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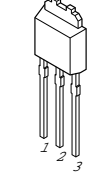
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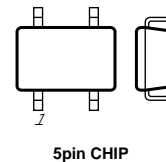
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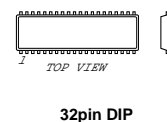
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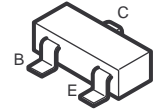
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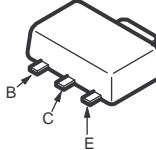
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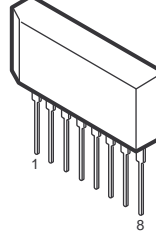
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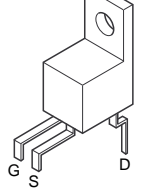
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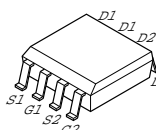
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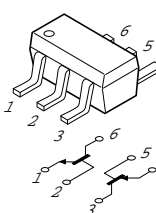
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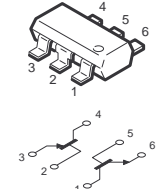
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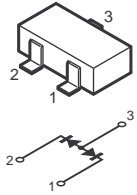
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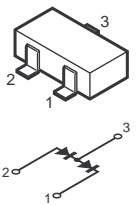
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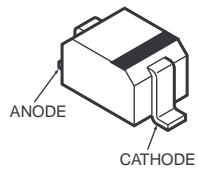
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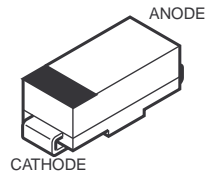
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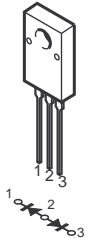
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RB501V-40TE-17
RB5.1SB
RD3.3SB2-T1
RD9.1S-B2
RD9.1SB2-T1**



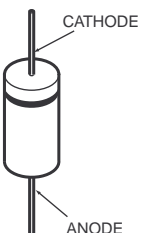
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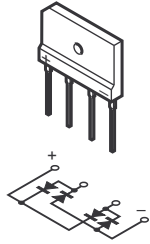
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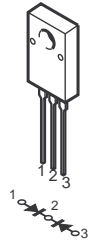
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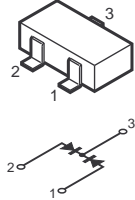
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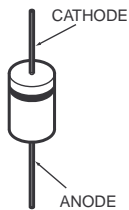
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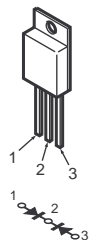
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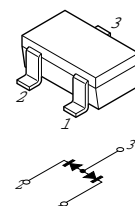
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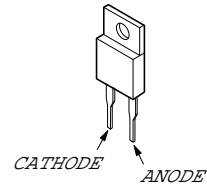
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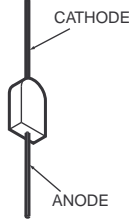
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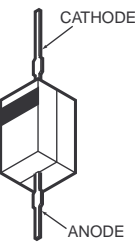
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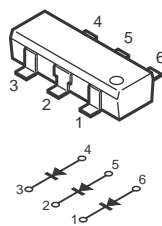
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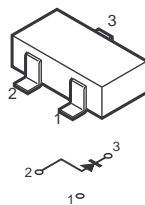
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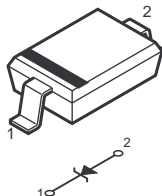
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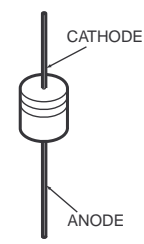
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RD13M-B2**



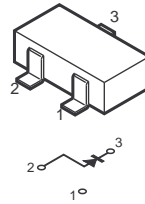
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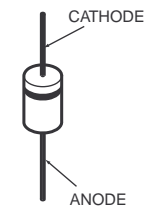
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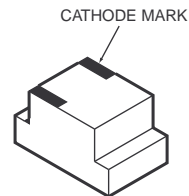
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RGP10JPKG23



**SEC1201C
SEC1401C
SEC1901C**



SECTION 5

EXPLODED VIEWS

NOTE :

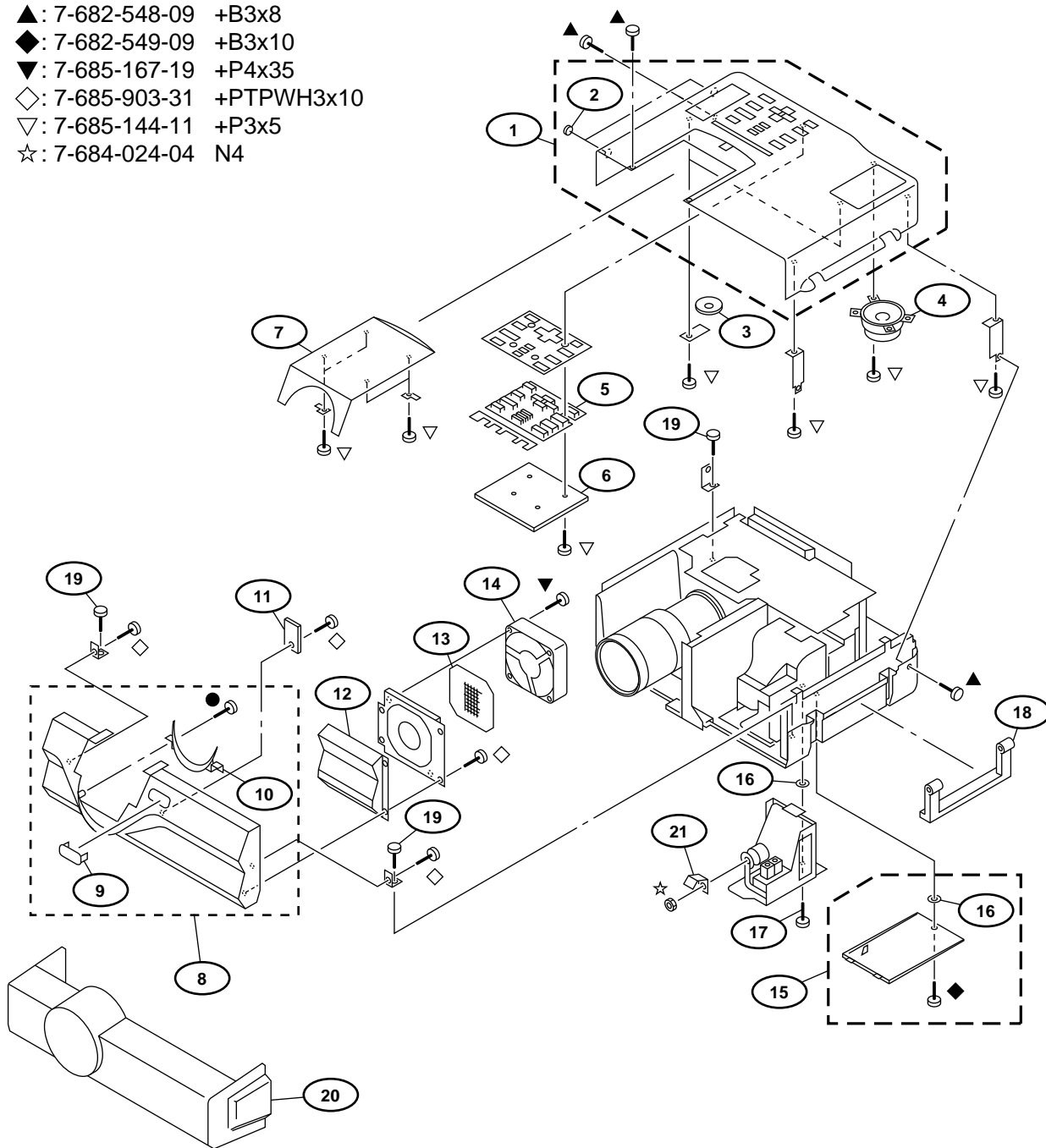
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remarks column.
- Items marked “ * ” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified marked \triangle are critical for safety.
Replace only with the part number specified.

Les composants identifiés par une marque \triangle sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

5-1. CABINET BLOCK

- : 7-685-646-79 +BVTP3x8
- ▲ : 7-682-548-09 +B3x8
- ◆ : 7-682-549-09 +B3x10
- ▼ : 7-685-167-19 +P4x35
- ◇ : 7-685-903-31 +PTPWH3x10
- ▽ : 7-685-144-11 +P3x5
- ☆ : 7-684-024-04 N4



| Rf.NO. | PART NO. | DESCRIPTION | REMARK | Rf.NO. | PART NO. | DESCRIPTION | REMARK |
|--------|----------------|-------------------|--------|--------|----------------|------------------------------|--------|
| 1 | * X-4035-461-1 | HOOD ASSY | 2 | 12 | * 4-063-640-01 | DUCT (EX) | 16 |
| 2 | * 4-063-685-01 | FOOT | | 13 | * 4-063-995-01 | NET, FAN | |
| 3 | 1-504-847-11 | SPEAKER (2.8CM) | 9.10 | 14 | 1-763-070-11 | FAN, DC | |
| 4 | 1-505-282-11 | SPEAKER (057F006) | | 15 | * X-4035-458-1 | LAMP COVER ASSY | |
| 5 | 4-063-624-01 | BUTTON, CONTROL | | 16 | * 3-715-526-01 | WASHER (M3) | |
| 6 | * A-1375-172-A | H BOARD, COMPLETE | | 17 | 4-396-203-01 | SCREW (+B M3X12), PREVENTION | |
| 7 | * 4-063-632-11 | COVER (TP), LENS | | 18 | * 4-063-641-11 | HANDLE | |
| 8 | * X-4036-437-2 | PANEL ASSY, FRONT | | 19 | 4-382-854-01 | SCREW (M3X8), P, SW (+) | |
| 9 | * 4-063-676-01 | WINDOW (FR), RM | | 20 | * X-4035-430-1 | COVER ASSY, FRONT | |
| 10 | * 4-063-653-11 | COVER (BT), LENS | | 21 | * 4-065-573-01 | GUARD (LMP), LIGHTING | |
| 11 | * 1-668-126-11 | NF BOARD | | | | | |

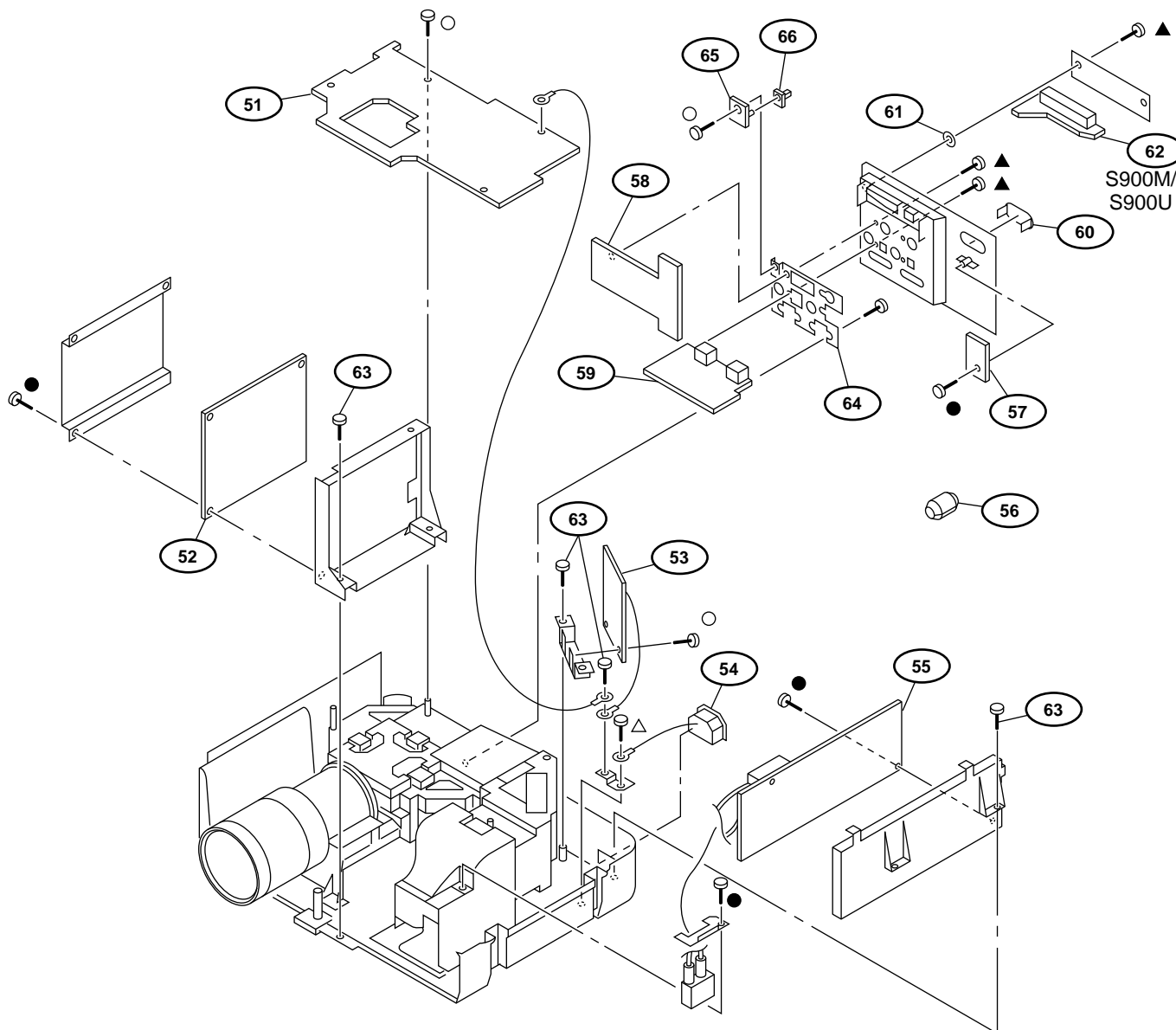
5-2. CHASSIS BLOCK

●: 7-685-646-79 +BVTP3x8

▲: 7-682-548-09 +B3x8

○: 7-682-948-01 +PSW3x8

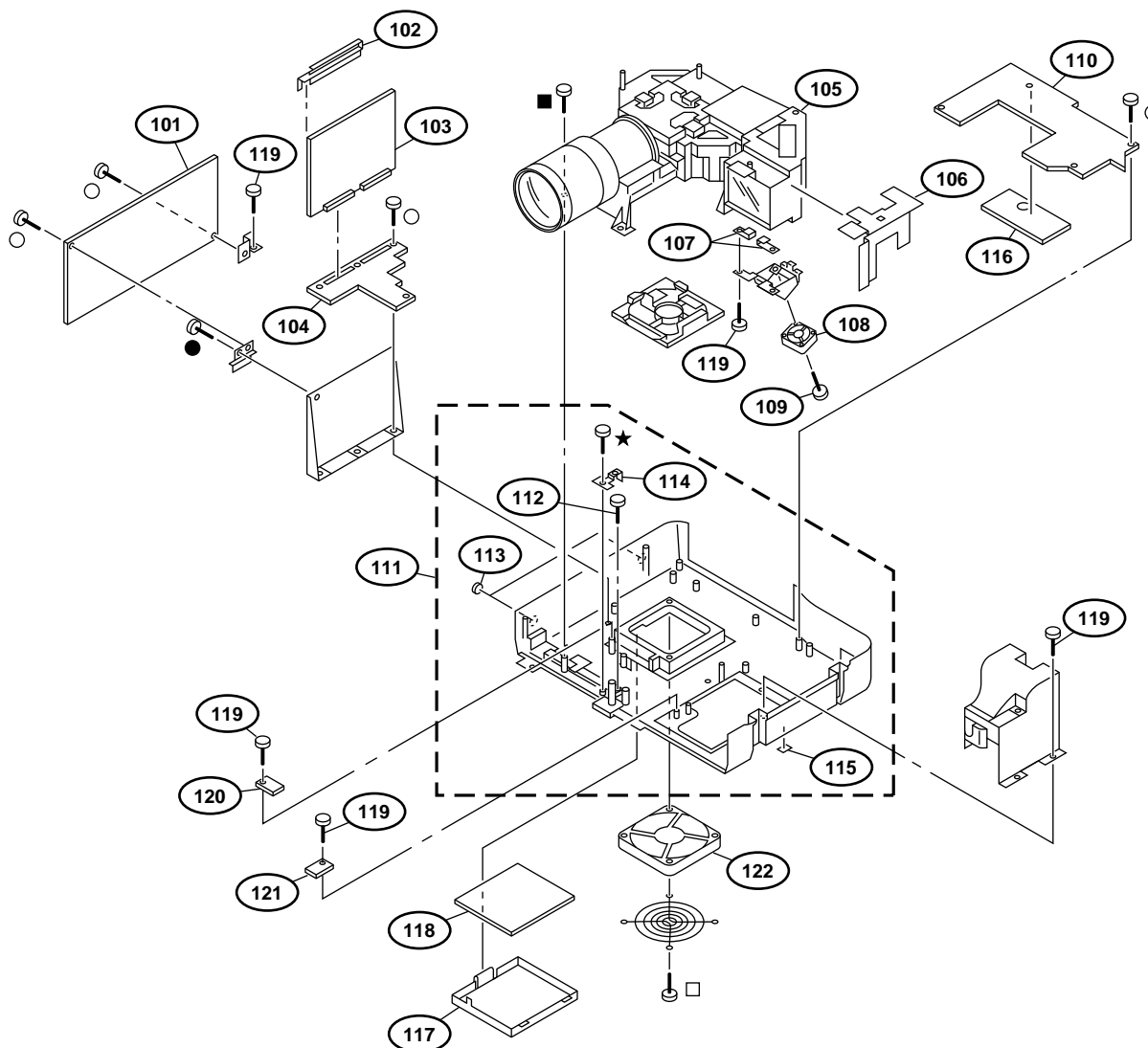
△: 7-682-961-01 +PSW4x8



| Rf.NO. | PART NO. | DESCRIPTION | REMARK | Rf.NO. | PART NO. | DESCRIPTION | REMARK |
|--------|----------------|----------------------|--------|--------|----------------|-------------------------|--------|
| 51 | * A-1335-116-A | C BOARD, COMPLETE | | 59 | * A-1275-169-A | QC BOARD, COMPLETE | |
| 52 | * A-1316-340-B | GA BOARD, COMPLETE | | 60 | 4-063-677-01 | WINDOW (RE), RM | |
| 53 | * A-1241-314-A | F BOARD, COMPLETE | | 61 | * 3-715-526-01 | WASHER (M3) | |
| 54 | △ 1-526-954-11 | INLET, AC | | 62 | * 1-668-130-15 | QB BOARD (S900M/S900U) | |
| 55 | A-1501-336-A | POWER BLOCK | | 63 | 4-382-854-01 | SCREW (M3X8), P, SW (+) | |
| 56 | 1-500-249-11 | BEAD, FERRITE (CASE) | | 64 | * 4-068-769-01 | HOLDER, D-SUB | |
| 57 | * 1-668-127-11 | NR BOARD | | 65 | * 1-672-792-11 | QD BOARD | |
| 58 | * A-1275-150-D | QA BOARD, COMPLETE | | 66 | 4-068-767-01 | COVER, SWITCH | |

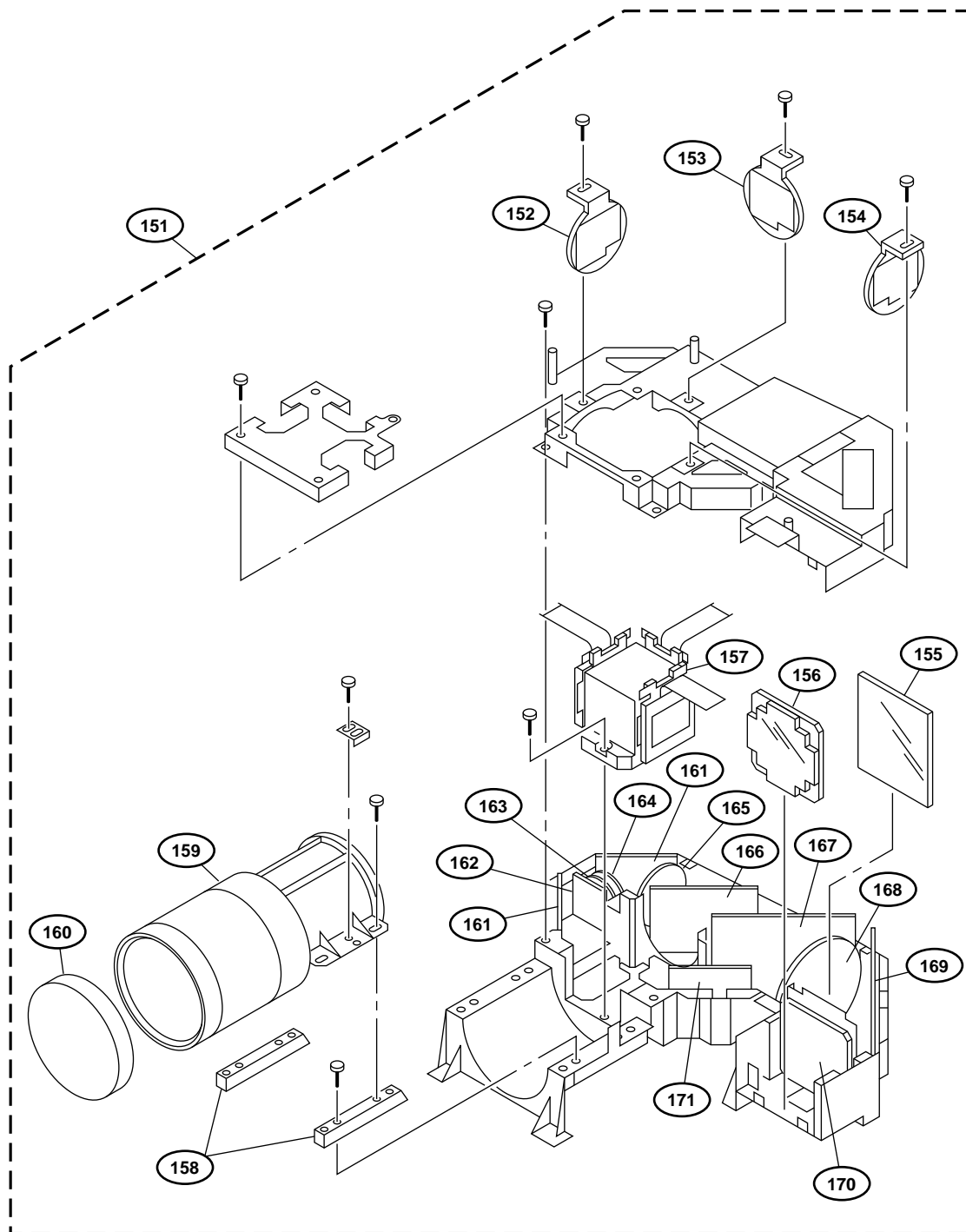
5-3. BASE BLOCK

- : 7-685-646-79 +BVTP3x8
- : 7-682-948-01 +PSW3x8
- : 7-682-663-09 +PSW4x12
- : 7-682-667-09 +PSW4x25
- ★ : 7-682-647-09 +PS3x6



| Rf.NO. | PART NO. | DESCRIPTION | REMARK | Rf.NO. | PART NO. | DESCRIPTION | REMARK |
|--------|----------------|---------------------------|---------|--------|----------------|-----------------------------|--------|
| 101 | 1-475-689-61 | CONVERTER UNIT, SCAN (BB) | | 113 | * 4-063-685-01 | FOOT | |
| 102 | * 4-063-633-01 | HOLDER (TP), GB | | 114 | * 4-064-059-01 | BRACKET, GBA | |
| 103 | * A-1316-434-A | GB BOARD, COMPLETE | | 115 | * 4-064-163-01 | CUSHION, HANDLE | |
| 104 | * A-1316-369-B | GBA BOARD, COMPLETE | | 116 | * A-1135-987-A | BAA BOARD, COMPLETE | |
| 105 | 1-758-290-11 | OPTICAL UNIT | 152-171 | 117 | 4-063-639-01 | COVER, FILTER (S900M/S900U) | |
| 106 | * 4-064-095-01 | GUARD (A), LIGHTING | | 117 | 4-063-639-11 | COVER, FILTER (S900E) | |
| 107 | 4-064-094-01 | NUT, SPRING | | 118 | 4-063-684-01 | FILTER | |
| 108 | 1-763-101-11 | FAN, DC | | 119 | 4-382-854-01 | SCREW (M3X8), P, SW (+) | |
| 109 | 4-382-854-21 | SCREW (M3X14), P, SW (+) | | 120 | * 1-668-124-11 | V BOARD | |
| 110 | * A-1135-988-A | BA BOARD, COMPLETE | | 121 | * 1-668-125-12 | U BOARD | |
| 111 | * X-4036-436-2 | BASE ASSY | 112-115 | 122 | 1-763-069-11 | FAN, DC | |
| 112 | 4-063-994-01 | MACHNE SCREW (+PWH M3X8) | | | | | |

5-4. OPTICAL UNIT BLOCK



| Rf.NO. | PART NO. | DESCRIPTION | REMARK | Rf.NO. | PART NO. | DESCRIPTION | REMARK |
|--------|--------------|---|---------|--------|---------------|---------------------|--------|
| 151 | 1-758-290-11 | OPTICAL UNIT | 152-171 | 161 | *9-880-353-01 | MIRROR B | |
| 152 | 9-880-349-01 | POLARIZATION PLATE (R)/ CONDENSER LENS | | 162 | *9-880-360-01 | FILTER, RED | |
| 153 | 9-880-347-01 | POLARIZATION PLATE (G)/ CONDENSER LENS | | 163 | *9-880-359-01 | LENS C, RELAY | |
| 154 | 9-882-678-01 | POLARIZATION PLATE (B)/ CONDENSER LENS | | 164 | *9-880-358-01 | LENS B, RELAY | |
| 155 | 9-880-346-01 | PS CONVERTER | | 165 | *9-880-357-01 | LENS A, RELAY | |
| 156 | 9-880-344-01 | FLYEYE LENS A | | 166 | *9-880-351-01 | DICHROIC MIRROR (G) | |
| 157 | A-1501-465-A | PRISM BLOCK ASSY | | 167 | *9-880-350-01 | DICHROIC MIRROR (B) | |
| 158 | 9-880-355-01 | SPACER, COMPLETE | | 168 | *9-880-356-01 | MAIN CONDENSER LENS | |
| 159 | 9-882-677-01 | PROJECTION LENS | | 169 | *9-880-352-01 | MIRROR A | |
| 160 | 9-880-361-01 | LENS CAP | | 170 | *9-880-345-01 | FLYEYE LENS B | |
| | | | | 171 | *9-880-354-01 | MIRROR C | |

SECTION 6

ELECTRICAL PARTS LIST

The components identified marked \triangle are critical for safety.
Replace only with the part number specified.

Les composants identifiés par une marque \triangle sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

When indicating parts by reference number, please include the board name.

- Items marked “ * ” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS

- All resistors are in ohms
- F : nonflammable

CAPACITORS

- PF : $\mu\mu\text{F}$
- There are some cases the reference number on one board overlaps on the other board. Therefore, when ordering parts by the reference number, please include the board name.

| Rf.NO. | PART NO. | DESCRIPTION | REMARK | Rf.NO. | PART NO. | DESCRIPTION | REMARK |
|--|--------------|-----------------------|----------|--------|--------------|-----------------------|------------|
| * A-1135-988-A BA BOARD, COMPLETE ***** | | | | C2061 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| <CAPACITOR> | | | | C2062 | 1-117-681-11 | ELECT CHIP 100μF | 20% 16V |
| C2001 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | C2063 | 1-117-681-11 | ELECT CHIP 100μF | 20% 16V |
| C2002 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | C2065 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C2003 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | C2069 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V |
| C2004 | 1-126-205-11 | ELECT CHIP 47μF | 20% 6.3V | C2070 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V |
| C2005 | 1-126-205-11 | ELECT CHIP 47μF | 20% 6.3V | C2071 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V |
| C2006 | 1-126-205-11 | ELECT CHIP 47μF | 20% 6.3V | C2078 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V |
| C2007 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | C2079 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V |
| C2008 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | C2080 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V |
| C2009 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | C2081 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V |
| C2010 | 1-107-686-11 | TANTAL. CHIP 4.7μF | 20% 16V | C2082 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C2011 | 1-107-686-11 | TANTAL. CHIP 4.7μF | 20% 16V | C2083 | 1-117-681-11 | ELECT CHIP 100μF | 20% 16V |
| C2012 | 1-107-686-11 | TANTAL. CHIP 4.7μF | 20% 16V | C2084 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C2013 | 1-107-686-11 | TANTAL. CHIP 4.7μF | 20% 16V | C2085 | 1-124-779-00 | ELECT CHIP 10μF | 20% 16V |
| C2014 | 1-126-205-11 | ELECT CHIP 47μF | 20% 6.3V | C2086 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C2015 | 1-126-205-11 | ELECT CHIP 47μF | 20% 6.3V | C2087 | 1-124-779-00 | ELECT CHIP 10μF | 20% 16V |
| C2016 | 1-126-205-11 | ELECT CHIP 47μF | 20% 6.3V | C2089 | 1-163-233-11 | CERAMIC CHIP 18PF | 5% 50V |
| C2018 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C2090 | 1-117-681-11 | ELECT CHIP 100μF | 20% 16V |
| C2019 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C2091 | 1-117-681-11 | ELECT CHIP 100μF | 20% 16V |
| C2020 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C2092 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C2021 | 1-164-489-11 | CERAMIC CHIP 0.22μF | 10% 16V | C2093 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C2022 | 1-164-489-11 | CERAMIC CHIP 0.22μF | 10% 16V | C2094 | 1-163-239-11 | CERAMIC CHIP 33PF | 5% 50V |
| C2023 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C2099 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V |
| C2024 | 1-164-489-11 | CERAMIC CHIP 0.22μF | 10% 16V | C2106 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C2025 | 1-164-489-11 | CERAMIC CHIP 0.22μF | 10% 16V | C2116 | 1-124-779-00 | ELECT CHIP 10μF | 20% 16V |
| C2026 | 1-164-489-11 | CERAMIC CHIP 0.22μF | 10% 16V | C2117 | 1-117-681-11 | ELECT CHIP 100μF | 20% 16V |
| C2027 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C2118 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C2028 | 1-164-489-11 | CERAMIC CHIP 0.22μF | 10% 16V | C2119 | 1-107-686-11 | TANTAL. CHIP 4.7μF | 20% 16V |
| C2033 | 1-117-681-11 | ELECT CHIP 100μF | 20% 16V | C2120 | 1-117-681-11 | ELECT CHIP 100μF | 20% 16V |
| C2034 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C2121 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C2037 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | C2122 | 1-107-686-11 | TANTAL. CHIP 4.7μF | 20% 16V |
| C2038 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | C2123 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C2039 | 1-117-681-11 | ELECT CHIP 100μF | 20% 16V | C2125 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C2040 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C2126 | 1-163-229-11 | CERAMIC CHIP 12PF | 5% 50V |
| C2041 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C2127 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C2042 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C2128 | 1-117-681-11 | ELECT CHIP 100μF | 20% 16V |
| C2043 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C2129 | 1-163-229-11 | CERAMIC CHIP 12PF | 5% 50V |
| C2044 | 1-117-681-11 | ELECT CHIP 100μF | 20% 16V | C2130 | 1-107-686-11 | TANTAL. CHIP 4.7μF | 20% 16V |
| C2045 | 1-164-182-11 | CERAMIC CHIP 0.0033μF | 10% 50V | C2131 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C2046 | 1-117-681-11 | ELECT CHIP 100μF | 20% 16V | C2132 | 1-163-222-11 | CERAMIC CHIP 5PF | 0.25PF 50V |
| C2047 | 1-164-182-11 | CERAMIC CHIP 0.0033μF | 10% 50V | C2134 | 1-163-089-00 | CERAMIC CHIP 6PF | 0.5PF 50V |
| C2048 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C2135 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C2049 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C2136 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C2050 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C2137 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C2051 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C2138 | 1-164-182-11 | CERAMIC CHIP 0.0033μF | 10% 50V |
| C2052 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C2139 | 1-164-346-11 | CERAMIC CHIP 1μF | 16V |
| C2053 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C2140 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C2054 | 1-117-681-11 | ELECT CHIP 100μF | 20% 16V | C2141 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C2055 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C2142 | 1-107-686-11 | TANTAL. CHIP 4.7μF | 20% 16V |
| C2056 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C2143 | 1-164-489-11 | CERAMIC CHIP 0.22μF | 10% 16V |
| C2057 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C2144 | 1-126-941-11 | ELECT 470μF | 20% 25V |
| C2058 | 1-163-009-11 | CERAMIC CHIP 0.001μF | 10% 50V | C2145 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C2059 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C2146 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C2060 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C2147 | 1-163-017-00 | CERAMIC CHIP 0.0047μF | 10% 50V |
| | | | | C2148 | 1-107-682-11 | CERAMIC CHIP 1μF | 10% 16V |
| | | | | C2154 | 1-163-237-11 | CERAMIC CHIP 27PF | 5% 50V |

| Rf.NO. | PART NO. | DESCRIPTION | REMARK | Rf.NO. | PART NO. | DESCRIPTION | REMARK |
|--------|--------------|-----------------------|----------|-------------|----------------|---------------------------------|-----------|
| C2158 | 1-117-681-11 | ELECT CHIP 100μF | 20% 16V | C2313 | 1-163-009-11 | CERAMIC CHIP 0.001μF | 10% 50V |
| C2160 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C2314 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C2163 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C2315 | 1-163-089-00 | CERAMIC CHIP 6PF | 0.5PF 50V |
| C2164 | 1-117-681-11 | ELECT CHIP 100μF | 20% 16V | C2316 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V |
| C2165 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C2317 | 1-117-154-11 | ELECT 33μF | 20% 16V |
| C2166 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | C2318 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C2167 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | C2319 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C2168 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | C2320 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C2169 | 1-124-779-00 | ELECT CHIP 10μF | 20% 16V | C2321 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V |
| C2170 | 1-126-193-11 | ELECT CHIP 1μF | 20% 50V | C2322 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V |
| C2171 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | C2323 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V |
| C2172 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | C2501 | 1-117-681-11 | ELECT CHIP 100μF | 20% 16V |
| C2173 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | C2502 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C2174 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | C2503 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C2175 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | <CONNECTOR> | | | |
| C2176 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | CN2001 | 1-784-828-11 | CONNECTOR, D SUB | |
| C2177 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | CN2002 | 1-784-828-11 | CONNECTOR, D SUB | |
| C2178 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | CN2003 | 1-573-806-21 | PIN, CONNECTOR (1.5MM) (SMD)6P | |
| C2179 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | CN2004 | * 1-766-383-11 | PIN, CONNECTOR (1.5MM) (SMD)12P | |
| C2180 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | CN2005 | * 1-766-382-11 | PIN, CONNECTOR (1.5MM) (SMD)10P | |
| C2181 | 1-109-982-11 | CERAMIC CHIP 1μF | 10% 10V | CN2006 | 1-573-290-21 | PIN, CONNECTOR (1.5MM) (SMD)4P | |
| C2182 | 1-109-982-11 | CERAMIC CHIP 1μF | 10% 10V | CN2007 | * 1-691-591-11 | PIN, CONNECTOR (1.5MM) (SMD)8P | |
| C2185 | 1-126-205-11 | ELECT CHIP 47μF | 20% 6.3V | CN2008 | * 1-785-763-11 | CONNECTOR,BOARD TO BOARD 18P | |
| C2186 | 1-126-205-11 | ELECT CHIP 47μF | 20% 6.3V | CN2009 | * 1-785-764-11 | CONNECTOR,BOARD TO BOARD 28P | |
| C2187 | 1-126-205-11 | ELECT CHIP 47μF | 20% 6.3V | <DIODE> | | | |
| C2188 | 1-126-205-11 | ELECT CHIP 47μF | 20% 6.3V | D2001 | 8-719-800-76 | DIODE 1SS226 | |
| C2189 | 1-126-205-11 | ELECT CHIP 47μF | 20% 6.3V | D2002 | 8-719-800-76 | DIODE 1SS226 | |
| C2190 | 1-126-205-11 | ELECT CHIP 47μF | 20% 6.3V | D2003 | 8-719-800-76 | DIODE 1SS226 | |
| C2192 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | D2004 | 8-719-800-76 | DIODE 1SS226 | |
| C2195 | 1-117-681-11 | ELECT CHIP 100μF | 20% 16V | D2005 | 8-719-800-76 | DIODE 1SS226 | |
| C2196 | 1-117-681-11 | ELECT CHIP 100μF | 20% 16V | D2006 | 8-719-800-76 | DIODE 1SS226 | |
| C2197 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | D2007 | 8-719-106-23 | DIODE RD7.5M-B2 | |
| C2200 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | D2008 | 8-719-800-76 | DIODE 1SS226 | |
| C2216 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | D2009 | 8-719-106-23 | DIODE RD7.5M-B2 | |
| C2219 | 1-126-603-11 | ELECT CHIP 4.7μF | 20% 35V | D2010 | 8-719-800-76 | DIODE 1SS226 | |
| C2220 | 1-126-603-11 | ELECT CHIP 4.7μF | 20% 35V | D2012 | 8-719-158-37 | DIODE RD9.1SB2 | |
| C2221 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V | D2013 | 8-719-158-37 | DIODE RD9.1SB2 | |
| C2222 | 1-163-117-00 | CERAMIC CHIP 100PF | 5% 50V | D2014 | 8-719-158-37 | DIODE RD9.1SB2 | |
| C2223 | 1-163-117-00 | CERAMIC CHIP 100PF | 5% 50V | D2015 | 8-719-914-43 | DIODE DAN202K | |
| C2224 | 1-163-251-11 | CERAMIC CHIP 100PF | 5% 50V | D2016 | 8-719-800-76 | DIODE 1SS226 | |
| C2225 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | D2017 | 8-719-800-76 | DIODE 1SS226 | |
| C2226 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | D2018 | 8-719-158-37 | DIODE RD9.1SB2 | |
| C2227 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | D2301 | 8-719-914-43 | DIODE DAN202K | |
| C2231 | 1-117-154-11 | ELECT 33μF | 20% 16V | D2501 | 8-719-914-43 | DIODE DAN202K | |
| C2234 | 1-164-182-11 | CERAMIC CHIP 0.0033μF | 10% 50V | <FILTER> | | | |
| C2235 | 1-117-154-11 | ELECT 33μF | 20% 16V | FL2001 | 1-239-397-11 | FILTER, LOW PASS | |
| C2301 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | FL2002 | 1-239-397-11 | FILTER, LOW PASS | |
| C2302 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | FL2003 | 1-239-397-11 | FILTER, LOW PASS | |
| C2303 | 1-117-681-11 | ELECT CHIP 100μF | 20% 16V | FL2004 | 1-234-089-21 | FILTER, EMI (SMD) | |
| C2304 | 1-128-416-11 | ELECT CHIP 100μF | 20% 16V | FL2009 | 1-234-089-21 | FILTER, EMI (SMD) | |
| C2305 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | | | | |
| C2306 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | | | | |
| C2307 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | | | | |
| C2308 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | | | | |
| C2309 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | | | | |
| C2310 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | | | | |
| C2311 | 1-126-603-11 | ELECT CHIP 4.7μF | 20% 35V | | | | |
| C2312 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | | | | |

| Rf.NO. | PART NO. | DESCRIPTION | REMARK | Rf.NO. | PART NO. | DESCRIPTION | REMARK |
|--------------|--------------|---------------------------|--------|------------|--------------|---------------------------|----------------|
| <IC> | | | | Q2012 | 8-729-230-49 | TRANSISTOR 2SC2712-YG | |
| IC2001 | 8-752-072-94 | IC CXA1875AM-T4 | | Q2013 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| IC2002 | 8-759-522-86 | IC M52755FP-TP | | Q2014 | 8-729-230-49 | TRANSISTOR 2SC2712-YG | |
| IC2003 | 8-752-073-52 | IC CXA2016S | | Q2015 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| IC2004 | 8-752-073-52 | IC CXA2016S | | Q2016 | 8-729-216-22 | TRANSISTOR 2SA1162-G | |
| IC2005 | 8-759-491-93 | IC EL4332CS-TE2 | | Q2017 | 8-729-216-22 | TRANSISTOR 2SA1162-G | |
| IC2006 | 8-759-272-90 | IC 74VHC240SJX | | Q2018 | 8-729-230-49 | TRANSISTOR 2SC2712-YG | |
| IC2007 | 8-759-272-90 | IC 74VHC240SJX | | Q2019 | 8-729-230-49 | TRANSISTOR 2SC2712-YG | |
| IC2008 | 8-759-387-75 | IC TC7W00F(TE12R) | | Q2020 | 8-729-230-49 | TRANSISTOR 2SC2712-YG | |
| IC2012 | 8-759-492-19 | IC MM1231XFBE | | Q2021 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| IC2014 | 8-759-335-57 | IC MM1112XF | | Q2022 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| IC2015 | 8-759-295-47 | IC TDA9141-N2C | | Q2023 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| IC2016 | 8-759-565-20 | IC TDA4665T/V5-118 | | Q2024 | 8-729-230-49 | TRANSISTOR 2SC2712-YG | |
| IC2017 | 8-759-335-57 | IC MM1112XF | | Q2025 | 8-729-230-49 | TRANSISTOR 2SC2712-YG | |
| IC2018 | 8-752-070-54 | IC CXA1839Q-T6 | | Q2026 | 8-729-230-49 | TRANSISTOR 2SC2712-YG | |
| IC2022 | 8-752-072-94 | IC CXA1875AM-T4 | | Q2027 | 8-729-230-49 | TRANSISTOR 2SC2712-YG | |
| IC2025 | 8-759-524-85 | IC TC7W240FU(TE12R) | | Q2028 | 8-729-107-31 | TRANSISTOR 2SC3545-T43 | |
| IC2026 | 8-759-432-78 | IC MM1111XFBE | | Q2029 | 8-729-230-49 | TRANSISTOR 2SC2712-YG | |
| IC2027 | 8-759-186-43 | IC TC74VHC123AF | | Q2030 | 8-729-216-22 | TRANSISTOR 2SA1162-G | |
| IC2301 | 8-752-372-78 | IC CXD2024AQ | | Q2031 | 8-729-230-49 | TRANSISTOR 2SC2712-YG | |
| IC2302 | 8-759-711-62 | IC NJM2240M | | Q2032 | 8-729-230-49 | TRANSISTOR 2SC2712-YG | |
| IC2501 | 8-759-572-04 | IC TDA9178T/N1.118 | | Q2035 | 8-729-230-49 | TRANSISTOR 2SC2712-YG | |
| <COIL> | | | | Q2036 | 8-729-216-22 | TRANSISTOR 2SA1162-G | |
| L2001 | 1-410-671-31 | INDUCTOR | 47μH | Q2037 | 8-729-216-22 | TRANSISTOR 2SA1162-G | |
| L2011 | 1-414-235-22 | INDUCTOR CHIP | 0μH | Q2038 | 8-729-216-22 | TRANSISTOR 2SA1162-G | |
| L2012 | 1-414-235-22 | INDUCTOR CHIP | 0μH | Q2039 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| L2013 | 1-414-235-22 | INDUCTOR CHIP | 0μH | Q2040 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| L2014 | 1-414-235-22 | INDUCTOR CHIP | 0μH | Q2041 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| L2015 | 1-412-363-21 | FERRITE | 0μH | Q2301 | 8-729-230-49 | TRANSISTOR 2SC2712-YG | |
| L2016 | 1-412-363-21 | FERRITE | 0μH | Q2302 | 8-729-027-38 | TRANSISTOR DTA144EKA-T146 | |
| L2017 | 1-412-363-21 | FERRITE | 0μH | Q2303 | 8-729-216-22 | TRANSISTOR 2SA1162-G | |
| L2023 | 1-414-235-22 | INDUCTOR CHIP | 0μH | Q2304 | 8-729-230-49 | TRANSISTOR 2SC2712-YG | |
| L2024 | 1-414-235-22 | INDUCTOR CHIP | 0μH | Q2305 | 8-729-230-49 | TRANSISTOR 2SC2712-YG | |
| L2025 | 1-414-235-22 | INDUCTOR CHIP | 0μH | <RESISTOR> | | | |
| L2026 | 1-414-235-22 | INDUCTOR CHIP | 0μH | R2001 | 1-216-295-91 | SHORT | 0 |
| L2027 | 1-412-796-41 | INDUCTOR | 47μH | R2002 | 1-216-295-91 | SHORT | 0 |
| L2028 | 1-414-235-22 | INDUCTOR CHIP | 0μH | R2003 | 1-216-295-91 | SHORT | 0 |
| L2029 | 1-414-235-22 | INDUCTOR CHIP | 0μH | R2004 | 1-216-295-91 | SHORT | 0 |
| L2301 | 1-414-267-11 | INDUCTOR | 10μH | R2005 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W |
| L2302 | 1-414-267-11 | INDUCTOR | 10μH | R2006 | 1-216-039-00 | RES,CHIP | 390 5% 1/10W |
| L2303 | 1-414-267-11 | INDUCTOR | 10μH | R2007 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W |
| <TRANSISTOR> | | | | R2008 | 1-216-039-00 | RES,CHIP | 390 5% 1/10W |
| Q2001 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | | R2009 | 1-216-625-11 | METAL CHIP | 82 0.50% 1/10W |
| Q2002 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | | R2010 | 1-216-295-91 | SHORT | 0 |
| Q2003 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | | R2011 | 1-216-295-91 | SHORT | 0 |
| Q2004 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | | R2012 | 1-216-295-91 | SHORT | 0 |
| Q2005 | 8-729-230-49 | TRANSISTOR 2SC2712-YG | | R2013 | 1-216-625-11 | METAL CHIP | 82 0.50% 1/10W |
| Q2006 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | R2014 | 1-216-625-11 | METAL CHIP | 82 0.50% 1/10W |
| Q2007 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | R2015 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| Q2008 | 8-729-230-49 | TRANSISTOR 2SC2712-YG | | R2016 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| Q2009 | 8-729-230-49 | TRANSISTOR 2SC2712-YG | | R2017 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| Q2010 | 8-729-230-49 | TRANSISTOR 2SC2712-YG | | R2018 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| Q2011 | 8-729-230-49 | TRANSISTOR 2SC2712-YG | | R2019 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| | | | | R2020 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| | | | | R2021 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| | | | | R2022 | 1-216-085-00 | RES,CHIP | 33K 5% 1/10W |

| Rf.NO. | PART NO. | DESCRIPTION | REMARK | | | Rf.NO. | PART NO. | DESCRIPTION | REMARK | | |
|--------|--------------|-------------|--------|-------|-------|--------|--------------|-------------|--------|-------|-------|
| R2023 | 1-216-685-11 | METAL CHIP | 27K | 0.50% | 1/10W | R2081 | 1-216-043-91 | RES,CHIP | 560 | 5% | 1/10W |
| R2024 | 1-216-677-11 | METAL CHIP | 12K | 0.50% | 1/10W | R2082 | 1-216-055-00 | RES,CHIP | 1.8K | 5% | 1/10W |
| R2025 | 1-216-085-00 | RES,CHIP | 33K | 5% | 1/10W | R2083 | 1-216-043-91 | RES,CHIP | 560 | 5% | 1/10W |
| | | | | | | R2084 | 1-216-055-00 | RES,CHIP | 1.8K | 5% | 1/10W |
| R2026 | 1-216-685-11 | METAL CHIP | 27K | 0.50% | 1/10W | R2085 | 1-216-043-91 | RES,CHIP | 560 | 5% | 1/10W |
| R2027 | 1-216-677-11 | METAL CHIP | 12K | 0.50% | 1/10W | | | | | | |
| R2028 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W | R2086 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |
| R2029 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W | R2087 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W |
| R2030 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W | R2088 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| | | | | | | R2089 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| R2031 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W | R2092 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W |
| R2032 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W | | | | | | |
| R2033 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W | R2093 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W |
| R2034 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W | R2095 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| R2035 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W | R2096 | 1-216-051-00 | RES,CHIP | 1.2K | 5% | 1/10W |
| | | | | | | R2097 | 1-216-043-91 | RES,CHIP | 560 | 5% | 1/10W |
| R2036 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W | R2099 | 1-216-067-00 | RES,CHIP | 5.6K | 5% | 1/10W |
| R2037 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W | | | | | | |
| R2038 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W | R2100 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| R2039 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W | R2101 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| R2040 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W | R2102 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |
| | | | | | | R2103 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W |
| R2041 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W | R2104 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R2042 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W | | | | | | |
| R2043 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W | R2105 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R2044 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W | R2106 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| R2045 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W | R2107 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| | | | | | | R2108 | 1-216-295-91 | SHORT | 0 | | |
| R2046 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W | R2109 | 1-216-295-91 | SHORT | 0 | | |
| R2047 | 1-216-659-11 | METAL CHIP | 2.2K | 0.50% | 1/10W | | | | | | |
| R2048 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W | R2110 | 1-216-649-11 | METAL CHIP | 820 | 0.50% | 1/10W |
| R2049 | 1-216-624-11 | METAL CHIP | 75 | 0.50% | 1/10W | R2111 | 1-216-651-11 | METAL CHIP | 1K | 0.50% | 1/10W |
| R2050 | 1-216-624-11 | METAL CHIP | 75 | 0.50% | 1/10W | R2112 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| | | | | | | R2113 | 1-216-095-00 | RES,CHIP | 82K | 5% | 1/10W |
| R2051 | 1-216-624-11 | METAL CHIP | 75 | 0.50% | 1/10W | R2114 | 1-216-649-11 | METAL CHIP | 820 | 0.50% | 1/10W |
| R2052 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W | | | | | | |
| R2053 | 1-216-624-11 | METAL CHIP | 75 | 0.50% | 1/10W | R2115 | 1-216-651-11 | METAL CHIP | 1K | 0.50% | 1/10W |
| R2054 | 1-216-624-11 | METAL CHIP | 75 | 0.50% | 1/10W | R2116 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R2055 | 1-216-624-11 | METAL CHIP | 75 | 0.50% | 1/10W | R2117 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| | | | | | | R2118 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |
| R2056 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W | R2119 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |
| R2057 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W | | | | | | |
| R2058 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W | R2120 | 1-216-649-11 | METAL CHIP | 820 | 0.50% | 1/10W |
| R2059 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W | R2121 | 1-216-043-91 | RES,CHIP | 560 | 5% | 1/10W |
| R2060 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W | R2122 | 1-216-053-00 | RES,CHIP | 1.5K | 5% | 1/10W |
| | | | | | | R2123 | 1-216-659-11 | METAL CHIP | 2.2K | 0.50% | 1/10W |
| R2061 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W | R2124 | 1-216-051-00 | RES,CHIP | 1.2K | 5% | 1/10W |
| R2062 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W | | | | | | |
| R2063 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W | R2125 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W |
| R2064 | 1-216-017-91 | RES,CHIP | 47 | 5% | 1/10W | R2126 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| R2065 | 1-216-017-91 | RES,CHIP | 47 | 5% | 1/10W | R2127 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W |
| | | | | | | R2128 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W |
| R2066 | 1-216-085-00 | RES,CHIP | 33K | 5% | 1/10W | R2129 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R2067 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W | | | | | | |
| R2068 | 1-216-085-00 | RES,CHIP | 33K | 5% | 1/10W | R2130 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| R2069 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W | R2131 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R2070 | 1-216-051-00 | RES,CHIP | 1.2K | 5% | 1/10W | R2132 | 1-216-647-11 | METAL CHIP | 680 | 0.50% | 1/10W |
| | | | | | | R2133 | 1-216-655-11 | METAL CHIP | 1.5K | 0.50% | 1/10W |
| R2071 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W | R2134 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W |
| R2072 | 1-216-656-11 | METAL CHIP | 1.6K | 0.50% | 1/10W | | | | | | |
| R2073 | 1-216-051-00 | RES,CHIP | 1.2K | 5% | 1/10W | R2135 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |
| R2074 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W | R2136 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |
| R2075 | 1-216-655-11 | METAL CHIP | 1.5K | 0.50% | 1/10W | R2137 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| | | | | | | R2138 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R2076 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W | R2139 | 1-216-647-11 | METAL CHIP | 680 | 0.50% | 1/10W |
| R2077 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W | | | | | | |
| R2078 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W | R2140 | 1-216-655-11 | METAL CHIP | 1.5K | 0.50% | 1/10W |
| R2079 | 1-216-067-00 | RES,CHIP | 5.6K | 5% | 1/10W | R2141 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |
| R2080 | 1-216-067-00 | RES,CHIP | 5.6K | 5% | 1/10W | R2142 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |

| Rf.NO. | PART NO. | DESCRIPTION | REMARK | | |
|--------|--------------|-------------|--------|-------|-------|
| R2143 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |
| R2144 | 1-216-295-91 | SHORT | 0 | | |
| R2145 | 1-216-295-91 | SHORT | 0 | | |
| R2146 | 1-216-083-00 | RES,CHIP | 27K | 5% | 1/10W |
| R2147 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| R2148 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R2149 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| R2151 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |
| R2158 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R2159 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R2167 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R2168 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R2186 | 1-216-667-11 | METAL CHIP | 4.7K | 0.50% | 1/10W |
| R2187 | 1-216-641-11 | METAL CHIP | 390 | 0.50% | 1/10W |
| R2188 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W |
| R2189 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W |
| R2190 | 1-216-655-11 | METAL CHIP | 1.5K | 0.50% | 1/10W |
| R2191 | 1-216-655-11 | METAL CHIP | 1.5K | 0.50% | 1/10W |
| R2192 | 1-216-651-11 | METAL CHIP | 1K | 0.50% | 1/10W |
| R2193 | 1-216-651-11 | METAL CHIP | 1K | 0.50% | 1/10W |
| R2194 | 1-216-643-11 | METAL CHIP | 470 | 0.50% | 1/10W |
| R2195 | 1-216-653-11 | METAL CHIP | 1.2K | 0.50% | 1/10W |
| R2196 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |
| R2197 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |
| R2198 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |
| R2199 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R2200 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R2201 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| R2202 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| R2204 | 1-216-631-11 | METAL CHIP | 150 | 0.50% | 1/10W |
| R2205 | 1-216-629-11 | METAL CHIP | 120 | 0.50% | 1/10W |
| R2206 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W |
| R2207 | 1-216-631-11 | METAL CHIP | 150 | 0.50% | 1/10W |
| R2208 | 1-216-629-11 | METAL CHIP | 120 | 0.50% | 1/10W |
| R2209 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W |
| R2210 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| R2211 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| R2212 | 1-216-295-91 | SHORT | 0 | | |
| R2213 | 1-216-295-91 | SHORT | 0 | | |
| R2214 | 1-216-295-91 | SHORT | 0 | | |
| R2216 | 1-216-295-91 | SHORT | 0 | | |
| R2217 | 1-216-295-91 | SHORT | 0 | | |
| R2218 | 1-216-677-11 | METAL CHIP | 12K | 0.50% | 1/10W |
| R2219 | 1-216-035-00 | RES,CHIP | 270 | 5% | 1/10W |
| R2220 | 1-216-035-00 | RES,CHIP | 270 | 5% | 1/10W |
| R2221 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |
| R2222 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |
| R2223 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |
| R2224 | 1-216-017-91 | RES,CHIP | 47 | 5% | 1/10W |
| R2225 | 1-216-017-91 | RES,CHIP | 47 | 5% | 1/10W |
| R2226 | 1-216-017-91 | RES,CHIP | 47 | 5% | 1/10W |
| R2227 | 1-216-017-91 | RES,CHIP | 47 | 5% | 1/10W |
| R2228 | 1-216-017-91 | RES,CHIP | 47 | 5% | 1/10W |
| R2229 | 1-216-017-91 | RES,CHIP | 47 | 5% | 1/10W |
| R2233 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| R2234 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| R2235 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |

| Rf.NO. | PART NO. | DESCRIPTION | REMARK | | |
|------------------------------------|--------------|---------------------------------|--------|-------|-------|
| R2236 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| R2237 | 1-216-655-11 | METAL CHIP | 1.5K | 0.50% | 1/10W |
| R2238 | 1-216-061-00 | RES,CHIP | 3.3K | 5% | 1/10W |
| R2239 | 1-216-295-91 | SHORT | 0 | | |
| R2241 | 1-216-001-00 | RES,CHIP | 10 | 5% | 1/10W |
| R2242 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R2243 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R2301 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W |
| R2302 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| R2303 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| R2304 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| R2306 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R2307 | 1-216-635-11 | METAL CHIP | 220 | 0.50% | 1/10W |
| R2308 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |
| R2309 | 1-216-061-00 | RES,CHIP | 3.3K | 5% | 1/10W |
| R2310 | 1-216-037-00 | RES,CHIP | 330 | 5% | 1/10W |
| R2311 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |
| R2312 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R2313 | 1-216-635-11 | METAL CHIP | 220 | 0.50% | 1/10W |
| R2314 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| R2315 | 1-216-657-11 | METAL CHIP | 1.8K | 0.50% | 1/10W |
| R2316 | 1-216-657-11 | METAL CHIP | 1.8K | 0.50% | 1/10W |
| R2317 | 1-216-661-11 | METAL CHIP | 2.7K | 0.50% | 1/10W |
| R2318 | 1-216-059-00 | RES,CHIP | 2.7K | 5% | 1/10W |
| R2319 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| R2320 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W |
| R2321 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| R2406 | 1-216-625-11 | METAL CHIP | 82 | 0.50% | 1/10W |
| R2407 | 1-216-625-11 | METAL CHIP | 82 | 0.50% | 1/10W |
| R2408 | 1-216-625-11 | METAL CHIP | 82 | 0.50% | 1/10W |
| R2501 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| R2502 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R2503 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R2504 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |
| R2505 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| R2506 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| <THERMISTOR> | | | | | |
| TH2001 | 1-809-020-11 | THERMISTOR | | | |
| TH2002 | 1-809-020-11 | THERMISTOR | | | |
| <CRYSTAL> | | | | | |
| X2001 | 1-579-973-11 | VIBRATOR, CRYSTAL (3.575611MHz) | | | |
| X2002 | 1-760-191-11 | VIBRATOR, CRYSTAL (3.579545MHz) | | | |
| X2003 | 1-760-191-11 | VIBRATOR, CRYSTAL (4.433619MHz) | | | |
| ***** | | | | | |
| * A-1135-987-A BAA BOARD, COMPLETE | | | | | |
| ***** | | | | | |
| <CAPACITOR> | | | | | |
| C2801 | 1-128-004-11 | ELECT CHIP | 10μF | 20% | 16V |
| C2802 | 1-128-004-11 | ELECT CHIP | 10μF | 20% | 16V |
| C2803 | 1-128-453-21 | ELECT CHIP | 47μF | 20% | 6.3V |

VPL-S900E, VPL-S900M, VPL-S900U

| Rf.NO. | PART NO. | DESCRIPTION | REMARK | | |
|-------------|--------------|---|--------|----|-------|
| R2836 | 1-216-017-91 | RES,CHIP | 47 | 5% | 1/10W |
| R2837 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R2838 | 1-216-013-00 | RES,CHIP | 33 | 5% | 1/10W |
| R2839 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W |
| R2840 | 1-216-097-91 | RES,CHIP | 100K | 5% | 1/10W |
| R2841 | 1-216-017-91 | RES,CHIP | 47 | 5% | 1/10W |
| R2842 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| R2843 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R2845 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |
| R2846 | 1-216-013-00 | RES,CHIP | 33 | 5% | 1/10W |
| R2847 | 1-216-097-91 | RES,CHIP | 100K | 5% | 1/10W |
| R2848 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W |
| R2850 | 1-216-186-00 | RES,CHIP | 330 | 5% | 1/8W |
| R2851 | 1-216-186-00 | RES,CHIP | 330 | 5% | 1/8W |
| <RELAY> | | | | | |
| RY2801 | 1-755-297-21 | RELAY | | | |
| RY2802 | 1-755-297-21 | RELAY | | | |
| RY2803 | 1-755-297-21 | RELAY | | | |
| ***** | | | | | |
| | 1-475-689-61 | BB BOARD, COMPLETE (CONVERTER UNIT, SCAN (BB)) | | | |
| ***** | | | | | |
| <CAPACITOR> | | | | | |
| C3006 | 1-164-156-11 | CERAMIC CHIP0.1μF | | | 25V |
| C3008 | 1-164-156-11 | CERAMIC CHIP0.1μF | | | 25V |
| C3009 | 1-164-156-11 | CERAMIC CHIP0.1μF | | | 25V |
| C3010 | 1-164-156-11 | CERAMIC CHIP0.1μF | | | 25V |
| C3011 | 1-164-156-11 | CERAMIC CHIP0.1μF | | | 25V |
| C3012 | 1-164-156-11 | CERAMIC CHIP0.1μF | | | 25V |
| C3018 | 1-164-156-11 | CERAMIC CHIP0.1μF | | | 25V |
| C3019 | 1-164-156-11 | CERAMIC CHIP0.1μF | | | 25V |
| C3020 | 1-164-156-11 | CERAMIC CHIP0.1μF | | | 25V |
| C3021 | 1-164-156-11 | CERAMIC CHIP0.1μF | | | 25V |
| C3023 | 1-164-156-11 | CERAMIC CHIP0.1μF | | | 25V |
| C3024 | 1-164-156-11 | CERAMIC CHIP0.1μF | | | 25V |
| C3025 | 1-164-156-11 | CERAMIC CHIP0.1μF | | | 25V |
| C3026 | 1-164-156-11 | CERAMIC CHIP0.1μF | | | 25V |
| C3027 | 1-164-156-11 | CERAMIC CHIP0.1μF | | | 25V |
| C3028 | 1-110-501-11 | CERAMIC CHIP0.33μF | 10% | | 16V |
| C3029 | 1-162-927-11 | CERAMIC CHIP100PF | 5% | | 50V |
| C3030 | 1-164-730-11 | CERAMIC CHIP0.0012μF | 10% | | 50V |
| C3031 | 1-164-505-11 | CERAMIC CHIP2.2μF | | | 16V |
| C3032 | 1-164-156-11 | CERAMIC CHIP0.1μF | | | 25V |
| C3033 | 1-107-498-11 | FILM 0.0022μF | 2% | | 50V |
| C3034 | 1-164-156-11 | CERAMIC CHIP0.1μF | | | 25V |
| C3035 | 1-164-505-11 | CERAMIC CHIP2.2μF | | | 16V |
| C3036 | 1-164-156-11 | CERAMIC CHIP0.1μF | | | 25V |
| C3044 | 1-164-156-11 | CERAMIC CHIP0.1μF | | | 25V |
| C3046 | 1-164-156-11 | CERAMIC CHIP0.1μF | | | 25V |
| C3047 | 1-164-156-11 | CERAMIC CHIP0.1μF | | | 25V |
| C3049 | 1-164-156-11 | CERAMIC CHIP0.1μF | | | 25V |
| C3051 | 1-164-156-11 | CERAMIC CHIP0.1μF | | | 25V |

| Rf.NO. | PART NO. | DESCRIPTION | REMARK | |
|--------|--------------|--------------------|--------|-----|
| C3052 | 1-164-156-11 | CERAMIC CHIP0.1μF | | 25V |
| C3053 | 1-164-156-11 | CERAMIC CHIP0.1μF | | 25V |
| C3054 | 1-164-156-11 | CERAMIC CHIP0.1μF | | 25V |
| C3056 | 1-164-505-11 | CERAMIC CHIP2.2μF | | 16V |
| C3057 | 1-164-156-11 | CERAMIC CHIP0.1μF | | 25V |
| C3059 | 1-107-498-11 | FILM 0.0022μF | 2% | 50V |
| C3060 | 1-164-156-11 | CERAMIC CHIP0.1μF | | 25V |
| C3061 | 1-164-505-11 | CERAMIC CHIP2.2μF | | 16V |
| C3062 | 1-164-156-11 | CERAMIC CHIP0.1μF | | 25V |
| C3063 | 1-164-156-11 | CERAMIC CHIP0.1μF | | 25V |
| C3064 | 1-164-156-11 | CERAMIC CHIP0.1μF | | 25V |
| C3065 | 1-164-156-11 | CERAMIC CHIP0.1μF | | 25V |
| C3066 | 1-164-156-11 | CERAMIC CHIP0.1μF | | 25V |
| C3068 | 1-164-505-11 | CERAMIC CHIP2.2μF | | 16V |
| C3069 | 1-164-156-11 | CERAMIC CHIP0.1μF | | 25V |
| C3071 | 1-107-498-11 | FILM 0.0022μF | 2% | 50V |
| C3072 | 1-164-156-11 | CERAMIC CHIP0.1μF | | 25V |
| C3073 | 1-164-505-11 | CERAMIC CHIP2.2μF | | 16V |
| C3074 | 1-164-156-11 | CERAMIC CHIP0.1μF | | 25V |
| C3075 | 1-126-204-21 | ELECT 47μF | | 16V |
| C3076 | 1-126-204-21 | ELECT 47μF | | 16V |
| C3077 | 1-126-204-21 | ELECT 47μF | | 16V |
| C3078 | 1-115-156-11 | CERAMIC CHIP1μF | | 10V |
| C3079 | 1-164-156-11 | CERAMIC CHIP0.1μF | | 25V |
| C3080 | 1-164-156-11 | CERAMIC CHIP0.1μF | | 25V |
| C3081 | 1-164-156-11 | CERAMIC CHIP0.1μF | | 25V |
| C3084 | 1-164-156-11 | CERAMIC CHIP0.1μF | | 25V |
| C3086 | 1-115-156-11 | CERAMIC CHIP1μF | | 10V |
| C3087 | 1-115-156-11 | CERAMIC CHIP1μF | | 10V |
| C3088 | 1-115-156-11 | CERAMIC CHIP1μF | | 10V |
| C3089 | 1-164-156-11 | CERAMIC CHIP0.1μF | | 25V |
| C3090 | 1-164-156-11 | CERAMIC CHIP0.1μF | | 25V |
| C3091 | 1-164-156-11 | CERAMIC CHIP0.1μF | | 25V |
| C3092 | 1-162-921-11 | CERAMIC CHIP33PF | 5% | 50V |
| C3093 | 1-162-970-11 | CERAMIC CHIP0.01μF | 10% | 25V |
| C3094 | 1-126-204-21 | ELECT 47μF | | 16V |
| C3095 | 1-126-204-21 | ELECT 47μF | | 16V |
| C3096 | 1-126-204-21 | ELECT 47μF | | 16V |
| C3098 | 1-164-156-11 | CERAMIC CHIP0.1μF | | 25V |
| C3099 | 1-164-156-11 | CERAMIC CHIP0.1μF | | 25V |
| C3100 | 1-164-156-11 | CERAMIC CHIP0.1μF | | 25V |
| C3101 | 1-164-156-11 | CERAMIC CHIP0.1μF | | 25V |
| C3103 | 1-115-156-11 | CERAMIC CHIP1μF | | 10V |
| C3104 | 1-115-156-11 | CERAMIC CHIP1μF | | 10V |
| C3105 | 1-164-156-11 | CERAMIC CHIP0.1μF | | 25V |
| C3106 | 1-164-156-11 | CERAMIC CHIP0.1μF | | 25V |
| C3107 | 1-164-156-11 | CERAMIC CHIP0.1μF | | 25V |
| C3109 | 1-126-204-21 | ELECT 47μF | | 16V |
| C3110 | 1-126-204-21 | ELECT 47μF | | 16V |
| C3114 | 1-115-156-11 | CERAMIC CHIP1μF | | 10V |
| C3115 | 1-115-156-11 | CERAMIC CHIP1μF | | 10V |
| C3116 | 1-115-156-11 | CERAMIC CHIP1μF | | 10V |
| C3117 | 1-115-156-11 | CERAMIC CHIP1μF | | 10V |
| C3118 | 1-115-156-11 | CERAMIC CHIP1μF | | 10V |
| C3119 | 1-115-156-11 | CERAMIC CHIP1μF | | 10V |
| C3121 | 1-164-156-11 | CERAMIC CHIP0.1μF | | 25V |
| C3122 | 1-164-156-11 | CERAMIC CHIP0.1μF | | 25V |
| C3123 | 1-115-156-11 | CERAMIC CHIP1μF | | 10V |

| Rf.NO. | PART NO. | DESCRIPTION | REMARK | Rf.NO. | PART NO. | DESCRIPTION | REMARK |
|-------------|--------------|-------------------------------|---------|------------|--------------|------------------------|------------|
| C3124 | 1-115-156-11 | CERAMIC CHIP1μF | 10V | FL3003 | 1-239-897-12 | FILTER, EMI (SMD) | |
| C3125 | 1-164-156-11 | CERAMIC CHIP0.1μF | 25V | FL3006 | 1-239-897-12 | FILTER, EMI (SMD) | |
| C3126 | 1-164-156-11 | CERAMIC CHIP0.1μF | 25V | FL3007 | 1-239-897-12 | FILTER, EMI (SMD) | |
| C3128 | 1-126-204-21 | ELECT 1μF | 16V | FL3008 | 1-239-897-12 | FILTER, EMI (SMD) | |
| C3129 | 1-164-156-11 | CERAMIC CHIP0.1μF | 25V | FL3009 | 1-239-897-12 | FILTER, EMI (SMD) | |
| C3130 | 1-164-156-11 | CERAMIC CHIP0.1μF | 25V | FL3010 | 1-239-897-12 | FILTER, EMI (SMD) | |
| C3131 | 1-115-156-11 | CERAMIC CHIP1μF | 10V | | | | |
| C3132 | 1-115-156-11 | CERAMIC CHIP1μF | 10V | | | | |
| C3133 | 1-115-156-11 | CERAMIC CHIP1μF | 10V | | | <IC> | |
| C3134 | 1-115-156-11 | CERAMIC CHIP1μF | 10V | IC3003 | 8-759-473-74 | IC SN74CBTD3306PW-E20 | |
| C3135 | 1-115-156-11 | CERAMIC CHIP1μF | 10V | IC3004 | 8-759-482-35 | IC MC100ELT20DR2 | |
| C3136 | 1-115-156-11 | CERAMIC CHIP1μF | 10V | IC3005 | 8-759-524-50 | IC TC74VHC541FT (EL) | |
| C3137 | 1-115-156-11 | CERAMIC CHIP1μF | 10V | IC3006 | 8-759-490-41 | IC TC74VHCT541AFT (EL) | |
| C3139 | 1-164-156-11 | CERAMIC CHIP0.1μF | 25V | IC3007 | 8-759-464-43 | IC CDC339NS | |
| C3140 | 1-164-156-11 | CERAMIC CHIP0.1μF | 25V | IC3009 | 8-759-369-85 | IC BT121KPJ80 | |
| C3142 | 1-126-204-21 | ELECT 1μF | 16V | IC3011 | 8-752-086-22 | IC CXA31060-T6 | |
| C3143 | 1-164-156-11 | CERAMIC CHIP0.1μF | 25V | IC3014 | 8-759-546-24 | IC SN74ALVCH162270TE | |
| C3144 | 1-126-394-11 | ELECT CHIP 10μF | 20% 16V | IC3017 | 8-752-071-69 | IC CXA3026Q | |
| C3145 | 1-126-394-11 | ELECT CHIP 10μF | 20% 16V | IC3018 | 8-759-183-52 | IC TL431CPK-E1 | |
| C3147 | 1-164-156-11 | CERAMIC CHIP0.1μF | 25V | IC3020 | 8-752-071-69 | IC CXA3026Q | |
| C3148 | 1-164-156-11 | CERAMIC CHIP0.1μF | 25V | IC3021 | 8-759-183-52 | IC TL431CPK-E1 | |
| C3151 | 1-115-156-11 | CERAMIC CHIP1μF | 10V | IC3022 | 8-759-546-24 | IC SN74ALVCH162270TE | |
| C3155 | 1-164-156-11 | CERAMIC CHIP0.1μF | 25V | IC3026 | 8-759-549-39 | IC IP00C901 | |
| C3156 | 1-164-156-11 | CERAMIC CHIP0.1μF | 25V | IC3028 | 8-752-071-69 | IC CXA3026Q | |
| C3157 | 1-164-156-11 | CERAMIC CHIP0.1μF | 25V | IC3029 | 8-759-183-52 | IC TL431CPK-E1 | |
| C3159 | 1-115-156-11 | CERAMIC CHIP1μF | 10V | IC3031 | 8-759-183-52 | IC TL431CPK-E1 | |
| C3160 | 1-115-156-11 | CERAMIC CHIP1μF | 10V | IC3032 | 8-759-531-34 | IC MB81G83222-010PQ-A | |
| C3161 | 1-115-156-11 | CERAMIC CHIP1μF | 10V | IC3033 | 8-759-546-23 | IC IP00C702 | |
| C3162 | 1-115-156-11 | CERAMIC CHIP1μF | 10V | IC3037 | 8-759-531-34 | IC MB81G83222-010PQ-A | |
| C3164 | 1-164-156-11 | CERAMIC CHIP0.1μF | 25V | IC3038 | 8-759-546-23 | IC IP00C702 | |
| C3166 | 1-164-156-11 | CERAMIC CHIP0.1μF | 25V | IC3039 | 8-759-531-34 | IC MB81G83222-010PQ-A | |
| C3168 | 1-115-156-11 | CERAMIC CHIP1μF | 10V | IC3040 | 8-759-546-23 | IC IP00C702 | |
| C3170 | 1-115-156-11 | CERAMIC CHIP1μF | 10V | IC3041 | 8-759-510-71 | IC BA10358F-E2 | |
| C3172 | 1-115-156-11 | CERAMIC CHIP1μF | 10V | IC3042 | 8-759-475-39 | IC TC74LCX74FT (EL) | |
| C3173 | 1-115-156-11 | CERAMIC CHIP1μF | 10V | IC3045 | 8-759-549-98 | IC TC7SH14FU | |
| C3174 | 1-115-156-11 | CERAMIC CHIP1μF | 10V | IC3046 | 8-759-475-29 | IC TC74LCX574F (EL) | |
| C3184 | 1-164-156-11 | CERAMIC CHIP0.1μF | 25V | IC3047 | 8-759-475-29 | IC TC74LCX574F (EL) | |
| <CONNECTOR> | | | | <RESISTOR> | | | |
| CN3001 | 1-760-388-11 | PIN, CONNECTOR (SMD)9P | | R3001 | 1-216-815-11 | RES, CHIP 330 | 5% 1/16W |
| CN3004 | 1-764-007-11 | PIN, CONNECTOR (SMD)12P | | R3005 | 1-216-801-11 | RES, CHIP 22 | 5% 1/16W |
| CN3005 | 1-573-806-21 | PIN, CONNECTOR (1.5MM)(SMD)6P | | R3006 | 1-216-815-11 | RES, CHIP 330 | 5% 1/16W |
| | | | | R3008 | 1-216-815-11 | RES, CHIP 330 | 5% 1/16W |
| | | | | R3010 | 1-216-815-11 | RES, CHIP 330 | 5% 1/16W |
| <DIODE> | | | | | | | |
| D3001 | 8-719-988-62 | DIODE 1SS355 | | R3012 | 1-216-815-11 | RES, CHIP 330 | 5% 1/16W |
| D3002 | 8-719-988-62 | DIODE 1SS355 | | R3014 | 1-216-815-11 | RES, CHIP 330 | 5% 1/16W |
| D3003 | 8-719-988-62 | DIODE 1SS355 | | R3017 | 1-218-697-11 | METAL CHIP 1.6K | 0.50%1/16W |
| D3004 | 8-719-988-62 | DIODE 1SS355 | | R3018 | 1-216-663-11 | METAL CHIP 3.3K | 0.50%1/10W |
| D3005 | 8-719-988-62 | DIODE 1SS355 | | R3019 | 1-216-017-91 | RES, CHIP 47 | 5% 1/10W |
| D3006 | 8-719-988-62 | DIODE 1SS355 | | R3020 | 1-216-801-11 | RES, CHIP 22 | 5% 1/16W |
| D3007 | 8-719-988-62 | DIODE 1SS355 | | R3022 | 1-216-648-11 | METAL CHIP 750 | 0.50%1/10W |
| D3012 | 8-719-985-01 | DIODE LM385M-1.2 | | R3023 | 1-216-648-11 | METAL CHIP 750 | 0.50%1/10W |
| | | | | R3024 | 1-216-624-11 | METAL CHIP 75 | 0.50%1/10W |
| | | | | R3026 | 1-216-017-91 | RES, CHIP 47 | 5% 1/10W |
| <FILTER> | | | | | | | |
| FL3001 | 1-239-898-22 | FILTER, EMI (SMD) | | R3028 | 1-216-648-11 | METAL CHIP 750 | 0.50%1/10W |
| FL3002 | 1-239-898-22 | FILTER, EMI (SMD) | | R3029 | 1-216-648-11 | METAL CHIP 750 | 0.50%1/10W |
| | | | | R3030 | 1-216-624-11 | METAL CHIP 75 | 0.50%1/10W |
| | | | | R3032 | 1-216-801-11 | RES, CHIP 22 | 5% 1/16W |

| Rf.NO. | PART NO. | DESCRIPTION | REMARK |
|--------|--------------|-------------------|-------------|
| R3036 | 1-216-017-91 | RES, CHIP 47 | 5% 1/10W |
| R3038 | 1-216-648-11 | METAL CHIP 750 | 0.50% 1/10W |
| R3039 | 1-216-648-11 | METAL CHIP 750 | 0.50% 1/10W |
| R3040 | 1-216-624-11 | METAL CHIP 75 | 0.50% 1/10W |
| R3043 | 1-216-801-11 | RES, CHIP 22 | 5% 1/16W |
| R3044 | 1-220-242-11 | RES, CHIP 22 | 5% 1/4W |
| R3045 | 1-218-707-11 | METAL CHIP 4.3K | 0.50% 1/16W |
| R3046 | 1-216-651-11 | METAL CHIP 1K | 0.50% 1/16W |
| R3047 | 1-216-801-11 | RES, CHIP 22 | 5% 1/16W |
| R3048 | 1-216-821-11 | RES, CHIP 1K | 5% 1/16W |
| R3049 | 1-216-821-11 | RES, CHIP 1K | 5% 1/16W |
| R3052 | 1-216-624-11 | METAL CHIP 75 | 0.50% 1/10W |
| R3053 | 1-216-624-11 | METAL CHIP 75 | 0.50% 1/10W |
| R3054 | 1-216-624-11 | METAL CHIP 75 | 0.50% 1/10W |
| R3055 | 1-216-821-11 | RES, CHIP 1K | 5% 1/16W |
| R3056 | 1-218-648-11 | METAL, CHIP 15 | 0.50% 1/16W |
| R3061 | 1-216-017-91 | RES, CHIP 47 | 5% 1/10W |
| R3062 | 1-216-017-91 | RES, CHIP 47 | 5% 1/10W |
| R3063 | 1-216-017-91 | RES, CHIP 47 | 5% 1/10W |
| R3064 | 1-216-017-91 | RES, CHIP 47 | 5% 1/10W |
| R3065 | 1-216-017-91 | RES, CHIP 47 | 5% 1/10W |
| R3066 | 1-216-801-11 | RES, CHIP 22 | 5% 1/16W |
| R3067 | 1-216-821-11 | RES, CHIP 1K | 5% 1/16W |
| R3068 | 1-216-845-11 | RES, CHIP 100K | 5% 1/16W |
| R3069 | 1-216-809-11 | RES, CHIP 100 | 5% 1/16W |
| R3070 | 1-216-829-11 | RES, CHIP 4.7K | 5% 1/16W |
| R3076 | 1-216-829-11 | RES, CHIP 4.7K | 5% 1/16W |
| R3080 | 1-216-829-11 | RES, CHIP 4.7K | 5% 1/16W |
| R3082 | 1-216-833-11 | RES, CHIP 10K | 5% 1/16W |
| R3085 | 1-216-833-11 | RES, CHIP 10K | 5% 1/16W |
| R3086 | 1-216-833-11 | RES, CHIP 10K | 5% 1/16W |
| R3087 | 1-216-833-11 | RES, CHIP 10K | 5% 1/16W |
| R3093 | 1-216-821-11 | RES, CHIP 1K | 5% 1/16W |
| R3108 | 1-216-809-11 | RES, CHIP 100 | 5% 1/16W |
| R3109 | 1-218-700-11 | METAL CHIP 2.2K | 0.50% 1/16W |
| R3110 | 1-218-699-11 | METAL CHIP 2K | 0.05% 1/16W |
| R3113 | 1-218-692-11 | METAL CHIP 1K | 0.05% 1/16W |
| R3114 | 1-216-825-11 | RES, CHIP 2.2K | 5% 1/16W |
| R3115 | 1-216-021-00 | RES, CHIP 68 | 5% 1/10W |
| R3116 | 1-216-017-91 | RES, CHIP 47 | 5% 1/10W |
| R3117 | 1-216-017-91 | RES, CHIP 47 | 5% 1/10W |
| R3122 | 1-216-017-91 | RES, CHIP 47 | 5% 1/10W |
| R3123 | 1-216-017-91 | RES, CHIP 47 | 5% 1/10W |
| R3124 | 1-216-809-11 | RES, CHIP 100 | 5% 1/16W |
| R3126 | 1-216-017-91 | RES, CHIP 47 | 5% 1/10W |
| R3130 | 1-216-833-11 | RES, CHIP 10K | 5% 1/16W |
| R3133 | 1-216-017-91 | RES, CHIP 47 | 5% 1/10W |
| R3134 | 1-216-295-91 | CONDUCTOR, CHIP 0 | |
| R3135 | 1-216-295-91 | CONDUCTOR, CHIP 0 | |
| R3136 | 1-216-295-91 | CONDUCTOR, CHIP 0 | |
| R3138 | 1-216-864-11 | CONDUCTOR, CHIP 0 | |
| R3139 | 1-216-864-11 | CONDUCTOR, CHIP 0 | |
| R3143 | 1-216-864-11 | CONDUCTOR, CHIP 0 | |
| R3144 | 1-216-864-11 | CONDUCTOR, CHIP 0 | |
| R3146 | 1-216-864-11 | CONDUCTOR, CHIP 0 | |
| R3147 | 1-216-864-11 | CONDUCTOR, CHIP 0 | |
| R3151 | 1-216-864-11 | CONDUCTOR, CHIP 0 | |
| R3156 | 1-216-864-11 | CONDUCTOR, CHIP 0 | |

| Rf.NO. | PART NO. | DESCRIPTION | REMARK |
|----------------------------------|--------------|---------------------|----------|
| R3158 | 1-219-570-11 | RES, CHIP 10M | 5% 1/16W |
| R3159 | 1-219-570-11 | RES, CHIP 10M | 5% 1/16W |
| R3160 | 1-219-570-11 | RES, CHIP 10M | 5% 1/16W |
| R3166 | 1-216-864-11 | CONDUCTOR, CHIP 0 | |
| <RESISTOR BLOCK> | | | |
| RA3005 | 1-233-576-11 | RES, CHIP NETWORK | 100 |
| RA3006 | 1-233-576-11 | RES, CHIP NETWORK | 100 |
| RA3009 | 1-233-576-11 | RES, CHIP NETWORK | 100 |
| RA3010 | 1-233-576-11 | RES, CHIP NETWORK | 100 |
| RA3011 | 1-233-576-11 | RES, CHIP NETWORK | 100 |
| RA3012 | 1-233-576-11 | RES, CHIP NETWORK | 100 |
| RA3019 | 1-233-415-21 | RES, CHIP NETWORK | 10K |
| RA3020 | 1-233-415-21 | RES, CHIP NETWORK | 10K |
| RA3021 | 1-233-576-11 | RES, CHIP NETWORK | 100 |
| RA3022 | 1-233-576-11 | RES, CHIP NETWORK | 100 |
| RA3023 | 1-233-576-11 | RES, CHIP NETWORK | 100 |
| RA3024 | 1-233-576-11 | RES, CHIP NETWORK | 100 |
| RA3033 | 1-233-576-11 | RES, CHIP NETWORK | 100 |
| RA3034 | 1-233-576-11 | RES, CHIP NETWORK | 100 |
| RA3035 | 1-233-576-11 | RES, CHIP NETWORK | 100 |
| RA3040 | 1-233-576-11 | RES, CHIP NETWORK | 100 |
| RA3041 | 1-233-415-21 | RES, CHIP NETWORK | 10K |
| RA3042 | 1-233-415-21 | RES, CHIP NETWORK | 10K |
| RA3043 | 1-233-415-21 | RES, CHIP NETWORK | 10K |
| RA3044 | 1-233-415-21 | RES, CHIP NETWORK | 10K |
| RA3045 | 1-233-415-21 | RES, CHIP NETWORK | 10K |
| RA3046 | 1-233-415-21 | RES, CHIP NETWORK | 10K |
| ***** | | | |
| * A-1335-116-A C BOARD, COMPLETE | | | |
| ***** | | | |
| <CAPACITOR> | | | |
| C5001 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C5002 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C5003 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V |
| C5004 | 1-117-681-11 | ELECT CHIP 100μF | 20% 16V |
| C5005 | 1-117-681-11 | ELECT CHIP 100μF | 20% 16V |
| C5006 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V |
| C5008 | 1-128-400-11 | ELECT CHIP 47μF | 20% 25V |
| C5009 | 1-128-400-11 | ELECT CHIP 47μF | 20% 25V |
| C5010 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V |
| C5011 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C5012 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V |
| C5013 | 1-128-400-11 | ELECT CHIP 47μF | 20% 25V |
| C5014 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C5015 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V |
| C5016 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C5017 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V |
| C5018 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C5019 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C5020 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V |
| C5021 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |

| Rf.NO. | PART NO. | DESCRIPTION | REMARK | Rf.NO. | PART NO. | DESCRIPTION | REMARK |
|--------|--------------|---------------------|-----------|-------------|----------------|--------------------------------|---------|
| C5022 | 1-163-227-11 | CERAMIC CHIP 10PF | 0.5PF 50V | C5169 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V |
| C5023 | 1-163-227-11 | CERAMIC CHIP 10PF | 0.5PF 50V | C5170 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V |
| C5024 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | C5172 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V |
| C5027 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C5201 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C5028 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C5202 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C5029 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C5217 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V |
| C5031 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V | C5218 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C5032 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C5222 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C5033 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C5223 | 1-128-400-11 | ELECT CHIP 47μF | 20% 25V |
| C5034 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C5227 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C5035 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C5228 | 1-117-681-11 | ELECT CHIP 100μF | 20% 16V |
| C5037 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | C5229 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C5038 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | C5301 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V |
| C5040 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | C5302 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C5101 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C5306 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C5102 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C5307 | 1-128-400-11 | ELECT CHIP 47μF | 20% 25V |
| C5103 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | C5311 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C5105 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C5312 | 1-117-681-11 | ELECT CHIP 100μF | 20% 16V |
| C5106 | 1-163-251-11 | CERAMIC CHIP 100PF | 5% 50V | C5313 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C5108 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | C5317 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V |
| C5109 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | C5318 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C5110 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | C5322 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C5111 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C5323 | 1-128-400-11 | ELECT CHIP 47μF | 20% 25V |
| C5112 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C5327 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C5113 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C5328 | 1-117-681-11 | ELECT CHIP 100μF | 20% 16V |
| C5114 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V | C5329 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C5115 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V | C5401 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C5116 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V | C5402 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V |
| C5117 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V | C5403 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C5118 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V | C5404 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C5119 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C5405 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C5121 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C5406 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C5123 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C5415 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C5124 | 1-109-994-11 | CERAMIC CHIP 2.2μF | 10% 10V | C5416 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V |
| C5125 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C5601 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C5126 | 1-109-994-11 | CERAMIC CHIP 2.2μF | 10% 10V | C5602 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C5127 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C5603 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C5128 | 1-109-994-11 | CERAMIC CHIP 2.2μF | 10% 10V | C5604 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C5129 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C5605 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V |
| C5130 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V | C5606 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C5131 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V | C5607 | 1-163-243-11 | CERAMIC CHIP 47PF | 5% 50V |
| C5133 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C5608 | 1-164-690-91 | CERAMIC CHIP 0.0022μF | 5% 50V |
| C5134 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C5609 | 1-164-690-91 | CERAMIC CHIP 0.0022μF | 5% 50V |
| C5135 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C5611 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C5136 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | C5612 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C5137 | 1-164-346-11 | CERAMIC CHIP 1μF | 16V | C5613 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C5138 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | C5614 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C5139 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | C5615 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V |
| C5140 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | <CONNECTOR> | | | |
| C5141 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | CN5001 | * 1-580-057-11 | PIN, CONNECTOR (SMD) 4P | |
| C5142 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | CN5002 | * 1-764-007-11 | PIN, CONNECTOR (SMD) 12P | |
| C5143 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | CN5003 | * 1-764-177-11 | PIN, CONNECTOR (SMD)(1.5MM) 7P | |
| C5145 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% 50V | CN5006 | * 1-580-056-21 | PIN, CONNECTOR (SMD) 3P | |
| C5148 | 1-164-346-11 | CERAMIC CHIP 1μF | 16V | CN5007 | * 1-764-643-21 | PIN, CONNECTOR (SMD) 11P | |
| C5156 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V | CN5008 | * 1-569-481-11 | CONNECTOR, FPC 30P | |
| C5157 | 1-164-346-11 | CERAMIC CHIP 1μF | 16V | | | | |
| C5161 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% 25V | | | | |



| Rf.NO. | PART NO. | DESCRIPTION | REMARK | Rf.NO. | PART NO. | DESCRIPTION | REMARK |
|--------|----------------|--------------------------------|--------|--------|----------------|------------------------------|--------|
| CN5009 | * 1-580-055-21 | PIN, CONNECTOR (SMD) 2P | | FL5004 | 1-239-466-21 | FILTER, EMI | |
| CN5010 | * 1-573-768-21 | PIN, CONNECTOR (1.5MM) (SMD)5P | | FL5005 | 1-239-466-21 | FILTER, EMI | |
| CN5012 | * 1-580-056-21 | PIN, CONNECTOR (SMD) 3P | | | | | |
| CN5020 | * 1-764-007-11 | PIN, CONNECTOR (SMD) 12P | | FL5009 | 1-239-400-11 | FILTER, CHIP EMI | |
| | | | | FL5010 | 1-239-400-11 | FILTER, CHIP EMI | |
| CN5021 | * 1-691-591-11 | PIN, CONNECTOR (1.5MM) (SMD)8P | | FL5012 | 1-239-400-11 | FILTER, CHIP EMI | |
| CN5022 | * 1-569-775-21 | PIN, CONNECTOR (SMD) 5P | | FL5013 | 1-239-400-11 | FILTER, CHIP EMI | |
| CN5023 | * 1-691-591-11 | PIN, CONNECTOR (1.5MM) (SMD)8P | | FL5014 | 1-239-400-11 | FILTER, CHIP EMI | |
| CN5024 | * 1-760-388-11 | CONNECTOR PIN (SMD) 9 PIN | | | | | |
| CN5201 | * 1-764-829-11 | CONNECTOR, FPC 24P | | FL5015 | 1-239-400-11 | FILTER, CHIP EMI | |
| | | | | FL5016 | 1-239-400-11 | FILTER, CHIP EMI | |
| CN5301 | * 1-764-829-11 | CONNECTOR, FPC 24P | | FL5017 | 1-239-400-11 | FILTER, CHIP EMI | |
| CN5302 | * 1-764-829-11 | CONNECTOR, FPC 24P | | FL5018 | 1-239-400-11 | FILTER, CHIP EMI | |
| CN5401 | * 1-691-591-11 | PIN, CONNECTOR (1.5MM) (SMD)8P | | FL5019 | 1-239-400-11 | FILTER, CHIP EMI | |
| | | | | | | | |
| | | <DIODE> | | FL5021 | 1-239-466-21 | FILTER, EMI | |
| D5001 | 8-719-159-10 | DIODE RD5.1SB-T2 | | | | | |
| D5002 | 8-719-159-10 | DIODE RD5.1SB-T2 | | | | <IC> | |
| D5003 | 8-719-037-24 | DIODE RD12SB3-T1 | | IC5001 | 8-759-523-79 | IC TC74VHC02FT(EL) | |
| D5004 | 8-719-037-24 | DIODE RD12SB3-T1 | | IC5002 | 8-759-259-77 | IC PQ20VZ5U | |
| D5005 | 8-719-033-53 | DIODE RD6.8SB2-T1 | | IC5003 | 8-759-082-58 | IC TC7W08FU | |
| | | | | IC5004 | 8-759-351-63 | IC TA7812F(TE16L) | |
| D5006 | 8-719-988-61 | DIODE 1SS355TE-17 | | IC5005 | 8-759-480-10 | IC HD64F3048F16 | |
| D5007 | 8-719-159-10 | DIODE RD5.1SB-T2 | | | | | |
| D5008 | 8-719-159-10 | DIODE RD5.1SB-T2 | | IC5006 | 8-759-162-80 | IC MM1170BFB | |
| D5009 | 8-719-914-44 | DIODE DAP202K | | IC5007 | 8-759-471-25 | IC BR24CF16F | |
| D5010 | 8-719-045-55 | DIODE SEC1201C | | IC5008 | 8-759-239-92 | IC TC74HC07AF | |
| | | | | IC5009 | 8-759-471-25 | IC BR24CF16F | |
| D5011 | 8-719-045-55 | DIODE SEC1201C | | IC5011 | 8-759-524-50 | IC TC74VHC541FT(EL) | |
| | | | | | | | |
| | | <FERRITE BEAD> | | IC5012 | 8-759-082-58 | IC TC7W08FU | |
| FB5001 | 1-414-234-22 | INDUCTOR CHIP | 0μH | IC5013 | 8-759-157-17 | IC PQ05SZ1U | |
| FB5002 | 1-414-234-22 | INDUCTOR CHIP | 0μH | IC5014 | 8-759-439-67 | IC TC7W126FU(TE12R) | |
| FB5003 | 1-414-234-22 | INDUCTOR CHIP | 0μH | IC5015 | 8-759-082-58 | IC TC7W08FU | |
| FB5004 | 1-414-234-22 | INDUCTOR CHIP | 0μH | IC5016 | 8-759-058-58 | IC TC7S04FU(TE85R) | |
| FB5005 | 1-414-234-22 | INDUCTOR CHIP | 0μH | | | | |
| | | | | IC5017 | 8-759-196-97 | IC TC7SH32FU-TE85R | |
| FB5006 | 1-414-234-22 | INDUCTOR CHIP | 0μH | IC5101 | 8-759-290-12 | IC M62370GP-650D | |
| FB5007 | 1-414-234-22 | INDUCTOR CHIP | 0μH | IC5102 | 8-759-082-57 | IC TC7W04FU | |
| FB5030 | 1-414-234-22 | INDUCTOR CHIP | 0μH | IC5103 | 8-759-572-46 | IC MB90096PF-G-159-BND-ER | |
| FB5031 | 1-414-234-22 | INDUCTOR CHIP | 0μH | IC5104 | 8-759-490-57 | IC M52337SP | |
| FB5032 | 1-414-234-22 | INDUCTOR CHIP | 0μH | | | | |
| | | | | IC5105 | 8-759-523-81 | IC TC74VHC08FT(EL) | |
| FB5102 | 1-414-234-22 | INDUCTOR CHIP | 0μH | IC5106 | 8-752-080-98 | IC CXA2111R | |
| FB5103 | 1-414-234-22 | INDUCTOR CHIP | 0μH | IC5107 | 8-759-082-57 | IC TC7W04FU | |
| FB5104 | 1-414-234-22 | INDUCTOR CHIP | 0μH | IC5108 | 8-759-523-03 | IC TC74HC4066AFT(EL) | |
| FB5105 | 1-414-234-22 | INDUCTOR CHIP | 0μH | IC5109 | 8-759-523-03 | IC TC74HC4066AFT(EL) | |
| FB5227 | 1-414-234-22 | INDUCTOR CHIP | 0μH | | | | |
| | | | | IC5110 | 8-759-066-55 | IC TA75W393FU | |
| FB5353 | 1-414-234-22 | INDUCTOR CHIP | 0μH | IC5111 | 8-759-066-55 | IC TA75W393FU | |
| FB5354 | 1-414-234-22 | INDUCTOR CHIP | 0μH | IC5112 | 8-759-058-58 | IC TC7S04FU(TE85R) | |
| FB5401 | 1-414-234-22 | INDUCTOR CHIP | 0μH | IC5201 | 8-759-482-47 | IC M62399FP-TE2 | |
| FB5402 | 1-414-234-22 | INDUCTOR CHIP | 0μH | IC5211 | 8-752-080-99 | IC CXA2112R | |
| FB5403 | 1-414-234-22 | INDUCTOR CHIP | 0μH | | | | |
| | | | | IC5302 | 8-752-080-99 | IC CXA2112R | |
| FB5601 | 1-414-234-22 | INDUCTOR CHIP | 0μH | IC5305 | 8-752-080-99 | IC CXA2112R | |
| FB5602 | 1-414-234-22 | INDUCTOR CHIP | 0μH | IC5401 | 8-759-447-77 | IC TC7WH74FU(TE12R) | |
| FB5603 | 1-414-234-22 | INDUCTOR CHIP | 0μH | IC5403 | * 8-759-584-21 | IC ISPLSI1016E-80LT44-SX1678 | |
| | | | | IC5404 | 8-759-363-18 | IC TC7ST04FU(TE85R) | |
| | | | | | | | |
| | | <FILTER> | | IC5405 | 8-759-491-46 | IC TC74VHCT04AFT(EL) | |
| FL5001 | 1-239-400-11 | FILTER, CHIP EMI | | IC5406 | 8-759-491-46 | IC TC74VHCT04AFT(EL) | |
| FL5002 | 1-239-466-21 | FILTER, EMI | | | | | |
| FL5003 | 1-239-466-21 | FILTER, EMI | | | | <COIL> | |
| | | | | L5001 | 1-410-377-31 | INDUCTOR CHIP | 4.7μH |

| Rf.NO. | PART NO. | DESCRIPTION | REMARK | Rf.NO. | PART NO. | DESCRIPTION | REMARK |
|--------|--------------|---------------------------|------------------|--------|--------------|-------------|---------------|
| L5101 | 1-410-377-31 | INDUCTOR CHIP | 4.7μH | R5037 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W |
| L5201 | 1-410-377-31 | INDUCTOR CHIP | 4.7μH | R5038 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| L5301 | 1-410-377-31 | INDUCTOR CHIP | 4.7μH | R5040 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| L5302 | 1-410-377-31 | INDUCTOR CHIP | 4.7μH | R5041 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| | | | | R5042 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| | | <TRANSISTOR> | | R5043 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| Q5001 | 8-729-900-53 | TRANSISTOR DTC114EK | | R5044 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| Q5002 | 8-729-101-07 | TRANSISTOR 2SB798-DL | | R5045 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| Q5003 | 8-729-230-49 | TRANSISTOR 2SC2712-YG | | R5046 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| Q5101 | 8-729-230-49 | TRANSISTOR 2SC2712-YG | | R5048 | 1-216-057-00 | RES,CHIP | 2.2K 5% 1/10W |
| Q5201 | 8-729-013-28 | TRANSISTOR HN1B01FU-TE85R | | R5049 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| | | | | R5050 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| Q5203 | 8-729-013-28 | TRANSISTOR HN1B01FU-TE85R | | R5051 | 1-216-043-91 | RES,CHIP | 560 5% 1/10W |
| Q5301 | 8-729-013-28 | TRANSISTOR HN1B01FU-TE85R | | R5052 | 1-216-043-91 | RES,CHIP | 560 5% 1/10W |
| Q5302 | 8-729-013-28 | TRANSISTOR HN1B01FU-TE85R | | R5056 | 1-216-057-00 | RES,CHIP | 2.2K 5% 1/10W |
| Q5303 | 8-729-013-28 | TRANSISTOR HN1B01FU-TE85R | | | | | |
| Q5304 | 8-729-013-28 | TRANSISTOR HN1B01FU-TE85R | | R5057 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| | | | | R5058 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| Q5602 | 8-729-013-28 | TRANSISTOR HN1B01FU-TE85R | | R5060 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| Q5603 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | R5061 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| Q5604 | 8-729-230-49 | TRANSISTOR 2SC2712-YG | | R5062 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| | | <RESISTOR> | | R5063 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| R5001 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W | R5064 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| R5002 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W | R5065 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| R5003 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | R5066 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| R5004 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | R5067 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| R5005 | 1-216-089-91 | RES,CHIP | 47K 5% 1/10W | | | | |
| | | | | R5068 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| R5006 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | R5069 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| R5007 | 1-216-089-91 | RES,CHIP | 47K 5% 1/10W | R5074 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W |
| R5008 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | R5076 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| R5009 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | R5079 | 1-216-037-00 | RES,CHIP | 330 5% 1/10W |
| R5010 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | | | | |
| | | | | R5080 | 1-216-037-00 | RES,CHIP | 330 5% 1/10W |
| R5011 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | R5081 | 1-216-037-00 | RES,CHIP | 330 5% 1/10W |
| R5012 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | R5082 | 1-216-037-00 | RES,CHIP | 330 5% 1/10W |
| R5013 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | R5083 | 1-216-037-00 | RES,CHIP | 330 5% 1/10W |
| R5014 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | R5084 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W |
| R5015 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | | | | |
| | | | | R5085 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W |
| R5017 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | R5086 | 1-216-089-91 | RES,CHIP | 47K 5% 1/10W |
| R5018 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | R5087 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W |
| R5019 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | R5088 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R5020 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W | R5089 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R5021 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W | | | | |
| | | | | R5090 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R5022 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W | R5094 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| R5023 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | R5095 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| R5024 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | R5096 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W |
| R5025 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | R5097 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W |
| R5026 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W | | | | |
| | | | | R5098 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W |
| R5027 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W | R5099 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W |
| R5028 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | R5100 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W |
| R5029 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W | R5118 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W |
| R5030 | 1-216-682-11 | METAL CHIP | 20K 0.50% 1/10W | R5119 | 1-216-295-91 | SHORT | 0 |
| R5031 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | | | | |
| | | | | R5120 | 1-216-295-91 | SHORT | 0 |
| R5032 | 1-216-644-11 | METAL CHIP | 510 0.50% 1/10W | R5122 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| R5033 | 1-216-673-11 | METAL CHIP | 8.2K 0.50% 1/10W | R5124 | 1-216-089-91 | RES,CHIP | 47K 5% 1/10W |
| R5034 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W | R5129 | 1-216-017-91 | RES,CHIP | 47 5% 1/10W |
| R5035 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W | R5131 | 1-216-009-91 | RES,CHIP | 22 5% 1/10W |
| R5036 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W | | | | |
| | | | | R5134 | 1-216-009-91 | RES,CHIP | 22 5% 1/10W |
| | | | | R5137 | 1-216-009-91 | RES,CHIP | 22 5% 1/10W |
| | | | | R5142 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |

| Rf.NO. | PART NO. | DESCRIPTION | REMARK | Rf.NO. | PART NO. | DESCRIPTION | REMARK |
|--------|--------------|-------------|-----------------|--------|--------------|-------------|-----------------|
| R5143 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | R5308 | 1-216-685-11 | METAL CHIP | 27K 0.50% 1/10W |
| R5144 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | R5309 | 1-216-057-00 | RES,CHIP | 2.2K 5% 1/10W |
| R5145 | 1-216-647-11 | METAL CHIP | 680 0.50% 1/10W | R5310 | 1-216-298-00 | RES,CHIP | 2.2 5% 1/10W |
| R5146 | 1-216-647-11 | METAL CHIP | 680 0.50% 1/10W | R5311 | 1-216-298-00 | RES,CHIP | 2.2 5% 1/10W |
| R5147 | 1-216-647-11 | METAL CHIP | 680 0.50% 1/10W | R5312 | 1-216-057-00 | RES,CHIP | 2.2K 5% 1/10W |
| R5148 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | R5313 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| R5149 | 1-216-017-91 | RES,CHIP | 47 5% 1/10W | R5314 | 1-216-295-91 | SHORT | 0 |
| R5150 | 1-216-009-91 | RES,CHIP | 22 5% 1/10W | R5315 | 1-216-001-00 | RES,CHIP | 10 5% 1/10W |
| R5151 | 1-216-009-91 | RES,CHIP | 22 5% 1/10W | R5316 | 1-216-001-00 | RES,CHIP | 10 5% 1/10W |
| R5152 | 1-216-009-91 | RES,CHIP | 22 5% 1/10W | R5317 | 1-216-001-00 | RES,CHIP | 10 5% 1/10W |
| R5153 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W | R5318 | 1-216-001-00 | RES,CHIP | 10 5% 1/10W |
| R5159 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W | R5319 | 1-216-001-00 | RES,CHIP | 10 5% 1/10W |
| R5160 | 1-216-009-91 | RES,CHIP | 22 5% 1/10W | R5320 | 1-216-001-00 | RES,CHIP | 10 5% 1/10W |
| R5161 | 1-216-009-91 | RES,CHIP | 22 5% 1/10W | R5321 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| R5162 | 1-216-009-91 | RES,CHIP | 22 5% 1/10W | R5322 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R5164 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W | R5323 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R5167 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | R5326 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| R5168 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | R5331 | 1-216-685-11 | METAL CHIP | 27K 0.50% 1/10W |
| R5171 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | R5338 | 1-216-001-00 | RES,CHIP | 10 5% 1/10W |
| R5173 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | R5339 | 1-216-001-00 | RES,CHIP | 10 5% 1/10W |
| R5181 | 1-216-682-11 | METAL CHIP | 20K 0.50% 1/10W | R5340 | 1-216-001-00 | RES,CHIP | 10 5% 1/10W |
| R5182 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | R5341 | 1-216-001-00 | RES,CHIP | 10 5% 1/10W |
| R5183 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | R5342 | 1-216-001-00 | RES,CHIP | 10 5% 1/10W |
| R5184 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | R5343 | 1-216-001-00 | RES,CHIP | 10 5% 1/10W |
| R5185 | 1-216-693-11 | METAL CHIP | 56K 0.50% 1/10W | R5344 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| R5198 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W | R5351 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| R5201 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | R5352 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| R5202 | 1-216-057-00 | RES,CHIP | 2.2K 5% 1/10W | R5401 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| R5203 | 1-216-057-00 | RES,CHIP | 2.2K 5% 1/10W | R5402 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W |
| R5204 | 1-216-298-00 | RES,CHIP | 2.2 5% 1/10W | R5403 | 1-216-017-91 | RES,CHIP | 47 5% 1/10W |
| R5207 | 1-216-298-00 | RES,CHIP | 2.2 5% 1/10W | R5405 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W |
| R5208 | 1-216-295-91 | SHORT | 0 | R5406 | 1-216-017-91 | RES,CHIP | 47 5% 1/10W |
| R5210 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W | R5407 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W |
| R5212 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | R5408 | 1-216-017-91 | RES,CHIP | 47 5% 1/10W |
| R5213 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | R5409 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| R5214 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | R5410 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W |
| R5215 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | R5411 | 1-216-017-91 | RES,CHIP | 47 5% 1/10W |
| R5216 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | R5414 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W |
| R5217 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | R5415 | 1-216-017-91 | RES,CHIP | 47 5% 1/10W |
| R5220 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R5416 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W |
| R5256 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W | R5417 | 1-216-017-91 | RES,CHIP | 47 5% 1/10W |
| R5261 | 1-216-685-11 | METAL CHIP | 27K 0.50% 1/10W | R5418 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W |
| R5262 | 1-216-001-00 | RES,CHIP | 10 5% 1/10W | R5419 | 1-216-017-91 | RES,CHIP | 47 5% 1/10W |
| R5263 | 1-216-001-00 | RES,CHIP | 10 5% 1/10W | R5420 | 1-216-017-91 | RES,CHIP | 47 5% 1/10W |
| R5264 | 1-216-001-00 | RES,CHIP | 10 5% 1/10W | R5421 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| R5265 | 1-216-001-00 | RES,CHIP | 10 5% 1/10W | R5422 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| R5266 | 1-216-001-00 | RES,CHIP | 10 5% 1/10W | R5423 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| R5267 | 1-216-001-00 | RES,CHIP | 10 5% 1/10W | R5424 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| R5274 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | R5425 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| R5275 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | R5426 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| R5301 | 1-216-057-00 | RES,CHIP | 2.2K 5% 1/10W | R5427 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| R5302 | 1-216-298-00 | RES,CHIP | 2.2 5% 1/10W | R5428 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| R5303 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W | R5429 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W |
| R5304 | 1-216-298-00 | RES,CHIP | 2.2 5% 1/10W | R5430 | 1-216-017-91 | RES,CHIP | 47 5% 1/10W |
| R5305 | 1-216-057-00 | RES,CHIP | 2.2K 5% 1/10W | R5431 | 1-216-017-91 | RES,CHIP | 47 5% 1/10W |
| R5306 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | R5432 | 1-216-017-91 | RES,CHIP | 47 5% 1/10W |
| R5307 | 1-216-295-91 | SHORT | 0 | R5435 | 1-216-017-91 | RES,CHIP | 47 5% 1/10W |
| | | | | R5436 | 1-216-017-91 | RES,CHIP | 47 5% 1/10W |

| Rf.NO. | PART NO. | DESCRIPTION | REMARK | Rf.NO. | PART NO. | DESCRIPTION | REMARK |
|--------------------|--------------|-------------|------------------|---|----------------|---------------------------|-------------------|
| R5501 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W | <CRYSTAL> | | | |
| R5502 | 1-216-624-11 | METAL CHIP | 75 0.50% 1/10W | X5001 | 1-767-347-11 | VIBRATOR, CRYSTAL (16MHz) | |
| R5503 | 1-216-624-11 | METAL CHIP | 75 0.50% 1/10W | ***** | | | |
| R5504 | 1-216-624-11 | METAL CHIP | 75 0.50% 1/10W | * A-1241-314-A F BOARD, COMPLETE | | | |
| R5515 | 1-216-059-00 | RES,CHIP | 2.7K 5% 1/10W | ***** | | | |
| R5516 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W | 1-533-223-11 HOLDER, FUSE (f9001) | | | |
| R5528 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W | * 4-374-846-01 COVER, CAPACITOR, CAP TYPE | | | |
| R5532 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | <CAPACITOR> | | | |
| R5533 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | C9001 | △1-113-912-51 | CERAMIC | 0.0047μF 20% 250V |
| R5608 | 1-216-683-11 | METAL CHIP | 22K 0.50% 1/10W | C9002 | △1-113-912-51 | CERAMIC | 0.0047μF 20% 250V |
| R5613 | 1-216-650-11 | METAL CHIP | 910 0.50% 1/10W | C9003 | △1-113-513-11 | FILM | 1μF 20% 275V |
| R5614 | 1-216-650-11 | METAL CHIP | 910 0.50% 1/10W | C9004 | △1-113-513-11 | FILM | 1μF 20% 275V |
| R5615 | 1-216-650-11 | METAL CHIP | 910 0.50% 1/10W | C9005 | △1-113-912-51 | CERAMIC | 0.0047μF 20% 250V |
| R5616 | 1-216-017-91 | RES,CHIP | 47 5% 1/10W | C9006 | △1-113-912-51 | CERAMIC | 0.0047μF 20% 250V |
| R5617 | 1-216-017-91 | RES,CHIP | 47 5% 1/10W | <CONNECTOR> | | | |
| R5618 | 1-216-017-91 | RES,CHIP | 47 5% 1/10W | CN9001 | * 1-580-689-11 | PIN, CONNECTOR (PC BOARD) | 4P |
| R5619 | 1-216-684-91 | METAL CHIP | 24K 0.50% 1/10W | CN9002 | * 1-691-291-11 | PIN, CONNECTOR (PC BOARD) | 5P |
| R5620 | 1-216-677-11 | METAL CHIP | 12K 0.50% 1/10W | <FUSE> | | | |
| R5621 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W | F9001 | △1-576-233-11 | FUSE (H.B.C.)(6.3A/250V) | |
| R5622 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W | <FERRITE BEAD> | | | |
| R5623 | 1-216-085-00 | RES,CHIP | 33K 5% 1/10W | FB9001 | △1-410-396-21 | INDUCTOR | 0.45μH |
| R5624 | 1-216-664-11 | METAL CHIP | 3.6K 0.50% 1/10W | <COIL> | | | |
| R5625 | 1-216-057-00 | RES,CHIP | 2.2K 5% 1/10W | L9001 | △1-431-838-11 | TRANSFORMER, LINE FILTER | |
| R5626 | 1-216-043-91 | RES,CHIP | 560 5% 1/10W | <RESISTOR> | | | |
| R5627 | 1-216-295-91 | SHORT | 0 | R9001 | △1-202-882-91 | SOLID | 560K 20% 1/2W |
| R5629 | 1-216-017-91 | RES,CHIP | 47 5% 1/10W | R9002 | △1-202-882-91 | SOLID | 560K 20% 1/2W |
| R5630 | 1-216-017-91 | RES,CHIP | 47 5% 1/10W | <VARISTOR> | | | |
| R5635 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W | VD9001 | △1-801-073-41 | VARISTOR ERZV14D471 | |
| R5636 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W | ***** | | | |
| R5637 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W | * A-1316-340-B GA BOARD, COMPLETE | | | |
| R5638 | 1-216-017-91 | RES,CHIP | 47 5% 1/10W | ***** | | | |
| R5639 | 1-216-017-91 | RES,CHIP | 47 5% 1/10W | 1-543-923-11 FERRITE 0μH | | | |
| R5640 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W | 7-682-147-01 SCREW +P 3X6 | | | |
| R5641 | 1-216-017-91 | RES,CHIP | 47 5% 1/10W | 7-682-948-01 SCREW +PSW 3X8 | | | |
| R5642 | 1-216-017-91 | RES,CHIP | 47 5% 1/10W | | | | |
| R5643 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | | | | |
| R5644 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | | | | |
| R5645 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | | | | |
| R5646 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | | | | |
| R5647 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | | | | |
| R5654 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | | | | |
| R5655 | 1-216-295-91 | SHORT | 0 | | | | |
| R5658 | 1-216-017-91 | RES,CHIP | 47 5% 1/10W | | | | |
| <NETWORK RESISTOR> | | | | | | | |
| RB5101 | 1-233-576-11 | RES, CHIP | NETWORK 100x4 | | | | |
| <THERMISTOR> | | | | | | | |
| TH5001 | 1-808-656-11 | THERMISTOR | | | | | |
| TH5002 | 1-806-715-11 | THERMISTOR | | | | | |

| Rf.NO. | PART NO. | DESCRIPTION | REMARK | | | |
|--------------|----------------|------------------------------|---------|-----|-------|---|
| <CAPACITOR> | | | | | | |
| C8010 | △ 1-113-513-11 | FILM | 1μF | 20% | 275V | |
| C8011 | △ 1-137-477-61 | FILM | 0.47μF | 10% | 400V | |
| C8012 | 1-163-003-11 | CERAMIC CHIP | 330PF | 10% | 50V | |
| C8013 | 1-164-492-11 | CERAMIC CHIP | 0.15μF | 10% | 16V | |
| C8014 | 1-164-492-11 | CERAMIC CHIP | 0.15μF | 10% | 16V | |
| C8015 | 1-163-113-00 | CERAMIC CHIP | 68PF | 5% | 50V | |
| C8016 | 1-163-133-00 | CERAMIC CHIP | 470PF | 5% | 50V | |
| C8026 | 1-117-751-11 | ELECT(BLOCK) | 220μF | 20% | 450V | |
| C8034 | 1-165-319-11 | CERAMIC CHIP | 0.1μF | | 50V | |
| C8035 | 1-107-889-11 | ELECT | 220μF | 20% | 25V | |
| C8038 | 1-104-330-11 | CERAMIC | 470PF | 10% | 1KV | |
| C8039 | 1-104-330-11 | CERAMIC | 470PF | 10% | 1KV | |
| C8041 | 1-164-004-11 | CERAMIC CHIP | 0.1μF | 10% | 25V | |
| C8099 | 1-163-009-11 | CERAMIC CHIP | 0.001μF | 10% | 50V | |
| <CONNECTOR> | | | | | | |
| CN8001 | * 1-691-291-11 | PIN, CONNECTOR (PC BOARD) 5P | | | | |
| CN8002 | * 1-691-960-11 | PIN, CONNECTOR (PC BOARD) 3P | | | | |
| CN8003 | * 1-691-960-11 | PIN, CONNECTOR (PC BOARD) 3P | | | | |
| CN8004 | * 1-564-507-11 | PLUG, CONNECTOR 4P | | | | |
| <DIODE> | | | | | | |
| D8001 | 8-719-066-75 | DIODE D6SB80 | | | | |
| D8002 | 8-719-060-06 | DIODE FSF10A60 | | | | |
| D8003 | △ 1-803-136-11 | VARISTOR ZP2600 | | | | |
| D8004 | 1-803-136-11 | VARISTOR ZP2600 | | | | |
| D8006 | 8-719-066-76 | DIODE TF861S | | | | |
| D8007 | 8-719-055-30 | DIODE D1FS4A-TA | | | | |
| D8008 | 8-719-055-30 | DIODE D1FS4A-TA | | | | |
| D8009 | 8-719-055-30 | DIODE D1FS4A-TA | | | | |
| D8010 | 8-719-055-30 | DIODE D1FS4A-TA | | | | |
| <IC> | | | | | | |
| IC8001 | 8-759-485-61 | IC FA5331P | | | | |
| <COIL> | | | | | | |
| L8003 | 1-416-534-11 | INDUCTOR | 760μH | | | |
| L8005 | △ 1-416-461-11 | INDUCTOR | 60μH | | | |
| <TRANSISTOR> | | | | | | |
| Q8001 | 8-729-043-15 | TRANSISTOR 2SK3013F-02 | | | | |
| Q8002 | 8-729-043-15 | TRANSISTOR 2SK3013F-02 | | | | |
| Q8003 | 8-729-230-49 | TRANSISTOR 2SC2712-YG | | | | |
| <RESISTOR> | | | | | | |
| R8001 | △ 1-219-363-11 | FUSIBLE | 5.6 | 5% | 5W | F |
| R8002 | △ 1-219-363-11 | FUSIBLE | 5.6 | 5% | 5W | F |
| R8003 | 1-215-870-11 | METAL OXIDE | 1.5K | 5% | 1W | F |
| R8004 | 1-215-925-11 | METAL OXIDE | 22K | 5% | 3W | F |
| R8005 | 1-215-925-11 | METAL OXIDE | 22K | 5% | 3W | F |
| R8007 | 1-216-003-11 | RES,CHIP | 12 | 5% | 1/10W | |

| Rf.NO. | PART NO. | DESCRIPTION | REMARK | | | |
|-----------------------------------|----------------|--------------|---------|-------|-------|---|
| R8008 | 1-216-077-00 | RES,CHIP | 15K | 5% | 1/10W | |
| R8009 | 1-216-003-11 | RES,CHIP | 12 | 5% | 1/10W | |
| R8010 | 1-216-077-00 | RES,CHIP | 15K | 5% | 1/10W | |
| R8011 | 1-220-335-11 | RES,CHIP | 180K | 5% | 1/2W | |
| R8012 | 1-220-336-11 | RES,CHIP | 220K | 5% | 1/2W | |
| R8013 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W | |
| R8014 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W | |
| R8015 | 1-220-337-11 | RES,CHIP | 270K | 5% | 1/2W | |
| R8016 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W | |
| R8017 | 1-216-101-00 | RES,CHIP | 150K | 5% | 1/10W | |
| R8018 | 1-216-085-00 | RES,CHIP | 33K | 5% | 1/10W | |
| R8019 | 1-216-005-00 | RES,CHIP | 15 | 5% | 1/10W | |
| R8020 | 1-220-335-11 | RES,CHIP | 180K | 5% | 1/2W | |
| R8021 | 1-220-335-11 | RES,CHIP | 180K | 5% | 1/2W | |
| R8022 | 1-216-655-11 | METAL CHIP | 1.5K | 0.50% | 1/10W | |
| R8028 | 1-216-687-11 | METAL CHIP | 33K | 0.50% | 1/10W | |
| R8031 | 1-220-337-11 | RES,CHIP | 270K | 5% | 1/2W | |
| R8032 | 1-216-295-91 | SHORT | 0 | | | |
| R8034 | △ 1-208-604-11 | REGISTER | 0.22 | 10% | 5W | F |
| R8036 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W | |
| R8037 | 1-216-079-00 | RES,CHIP | 18K | 5% | 1/10W | |
| R8038 | 1-216-069-00 | RES,CHIP | 6.8K | 5% | 1/10W | |
| R8039 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W | |
| R8041 | 1-216-053-00 | RES,CHIP | 1.5K | 5% | 1/10W | |
| ***** | | | | | | |
| * A-1316-434-A GB BOARD, COMPLETE | | | | | | |
| ***** | | | | | | |
| | 1-543-923-11 | FERRITE | 0μH | | | |
| | 7-682-948-01 | SCREW +PSW | 3X8 | | | |
| <CAPACITOR> | | | | | | |
| C7001 | 1-107-888-11 | ELECT | 47μF | 20% | 25V | |
| C7002 | 1-107-889-11 | ELECT | 220μF | 20% | 25V | |
| C7004 | 1-107-914-11 | ELECT | 1000μF | 20% | 25V | |
| C7005 | 1-164-004-11 | CERAMIC CHIP | 0.1μF | 10% | 25V | |
| C7006 | 1-107-909-11 | ELECT | 47μF | 20% | 10V | |
| C7010 | 1-163-021-91 | CERAMIC CHIP | 0.01μF | 10% | 50V | |
| C7011 | 1-164-004-11 | CERAMIC CHIP | 0.1μF | 10% | 25V | |
| C7012 | 1-163-259-91 | CERAMIC CHIP | 220PF | 5% | 50V | |
| C7013 | 1-164-004-11 | CERAMIC CHIP | 0.1μF | 10% | 25V | |
| C7014 | 1-107-889-11 | ELECT | 220μF | 20% | 25V | |
| C7016 | 1-163-031-11 | CERAMIC CHIP | 0.01μF | 50V | | |
| C7020 | 1-163-009-11 | CERAMIC CHIP | 0.001μF | 10% | 50V | |
| C7026 | 1-164-004-11 | CERAMIC CHIP | 0.1μF | 10% | 25V | |
| C7027 | 1-164-004-11 | CERAMIC CHIP | 0.1μF | 10% | 25V | |
| C7031 | 1-129-718-00 | FILM | 0.022μF | 5% | 630V | |
| C7038 | 1-126-524-11 | ELECT | 180μF | 20% | 63V | |
| C7040 | 1-115-786-11 | ELECT | 560μF | 20% | 25V | |
| C7042 | 1-126-524-11 | ELECT | 180μF | 20% | 63V | |
| C7043 | 1-126-524-11 | ELECT | 180μF | 20% | 63V | |
| C7044 | 1-115-746-11 | ELECT | 0.0056F | 20% | 10V | |
| C7045 | 1-128-526-11 | ELECT | 100μF | 20% | 10V | |
| C7046 | 1-107-823-11 | CERAMIC CHIP | 0.47μF | 10% | 16V | |
| C7049 | 1-115-734-11 | ELECT | 680μF | 20% | 10V | |

| Rf.NO. | PART NO. | DESCRIPTION | REMARK | Rf.NO. | PART NO. | DESCRIPTION | REMARK |
|--------|----------------|------------------------------|-----------------|--------|---------------|-------------------------|-----------------|
| C7052 | 1-164-004-11 | CERAMIC CHIP | 0.1μF 10% 25V | | | <IC> | |
| C7054 | 1-115-784-11 | ELECT | 270μF 20% 25V | | | | |
| C7055 | 1-164-004-11 | CERAMIC CHIP | 0.1μF 10% 25V | IC7002 | 8-759-157-17 | IC PQ05SZ1U | |
| C7056 | 1-128-526-11 | ELECT | 100μF 20% 10V | IC7003 | 8-759-485-64 | IC UCC2801N | |
| C7057 | 1-107-823-11 | CERAMIC CHIP | 0.47μF 10% 16V | IC7005 | 8-759-388-23 | IC TL431BCDR2 | |
| C7059 | 1-164-004-11 | CERAMIC CHIP | 0.1μF 10% 25V | IC7006 | 8-759-487-72 | IC TOP222Y-BB | |
| C7060 | 1-164-004-11 | CERAMIC CHIP | 0.1μF 10% 25V | IC7007 | 8-759-485-63 | IC MAX1626ESA-TE2 | |
| C7061 | 1-107-909-11 | ELECT | 47μF 20% 16V | IC7010 | 8-759-485-63 | IC MAX1626ESA-TE2 | |
| C7062 | 1-164-004-11 | CERAMIC CHIP | 0.1μF 10% 25V | IC7012 | 8-759-701-79 | IC NJM7812FA | |
| C7063 | 1-115-755-11 | ELECT | 180μF 20% 16V | IC7013 | 8-759-506-12 | IC PQ12RF1 | |
| C7064 | 1-115-734-11 | ELECT | 680μF 20% 10V | IC7014 | 8-759-506-12 | IC PQ12RF1 | |
| C7065 | 1-107-792-11 | CERAMIC | 100PF 5% 1KV | | | <COIL> | |
| C7066 | 1-164-004-11 | CERAMIC CHIP | 0.1μF 10% 25V | L7001 | 1-406-975-21 | INDUCTOR | 47μH |
| C7067 | 1-107-909-11 | ELECT | 47μF 20% 16V | L7002 | 1-406-980-61 | INDUCTOR | 330μH |
| C7068 | 1-163-239-11 | CERAMIC CHIP | 33PF 5% 50V | L7003 | 1-406-974-61 | INDUCTOR | 33μH |
| C7069 | 1-163-239-11 | CERAMIC CHIP | 33PF 5% 50V | L7004 | 1-406-971-51 | INDUCTOR | 10μH |
| C7070 | 1-163-239-11 | CERAMIC CHIP | 33PF 5% 50V | L7005 | 1-412-531-31 | INDUCTOR | 33μH |
| C7071 | 1-163-239-11 | CERAMIC CHIP | 33PF 5% 50V | L7006 | 1-406-977-61 | INDUCTOR | 100μH |
| C7072 | 1-163-239-11 | CERAMIC CHIP | 33PF 5% 50V | L7007 | 1-412-531-31 | INDUCTOR | 33μH |
| C7073 | 1-129-720-00 | FILM | 0.033μF 5% 630V | L7010 | 1-406-656-21 | INDUCTOR | 3.3μH |
| C7074 | 1-115-339-11 | CERAMIC CHIP | 0.1μF 10% 50V | L7011 | 1-406-658-21 | INDUCTOR | 6.8μH |
| | | <CONNECTOR> | | | | <PHOTO COUPLER> | |
| CN7001 | * 1-691-960-11 | PIN, CONNECTOR (PC BOARD) 3P | | PH7001 | 8-749-010-64 | PHOTO COUPLER PC123F2 | |
| CN7002 | * 1-564-507-11 | PLUG, CONNECTOR 4P | | PH7002 | 8-749-010-64 | PHOTO COUPLER PC123F2 | |
| CN7003 | * 1-778-373-11 | PIN, CONNECTOR (PC BOARD) | | PH7003 | 8-749-013-16 | IC PC357N2T | |
| CN7004 | * 1-778-373-11 | PIN, CONNECTOR (PC BOARD) | | | | <IC LINK> | |
| | | <DIODE> | | PS7001 | △1-533-282-21 | LINK, IC (2A) | |
| D7001 | 8-719-059-23 | DIODE P6KE200AG23 | | PS7003 | △1-576-124-21 | LINK, IC (1A) | |
| D7002 | 8-719-947-06 | DIODE RGP10JPKG23 | | PS7004 | △1-216-296-91 | SHORT 0 | |
| D7003 | 8-719-302-43 | DIODE EL1Z | | PS7005 | △1-576-124-21 | LINK, IC (1A) | |
| D7004 | 8-719-104-34 | DIODE 1S2836 | | PS7007 | △1-576-124-21 | LINK, IC (1A) | |
| D7005 | 8-719-106-71 | DIODE RD12M-B2 | | PS7010 | △1-533-282-21 | LINK, IC (2A) | |
| D7006 | 1-803-136-11 | VARISTOR ZP2600 | | PS7011 | △1-533-282-21 | LINK, IC (2A) | |
| D7007 | 8-719-022-97 | DIODE D2S4MF | | PS7013 | △1-533-282-21 | LINK, IC (2A) | |
| D7009 | 8-719-510-41 | DIODE D10SC9M | | | | <TRANSISTOR> | |
| D7010 | 8-719-051-96 | DIODE FMG-G2CS | | Q7004 | 8-729-031-13 | TRANSISTOR SI-9430DY-T1 | |
| D7011 | 8-719-510-41 | DIODE D10SC9M | | Q7007 | 8-729-230-49 | TRANSISTOR 2SC2712-YG | |
| D7012 | 8-719-050-21 | DIODE FCQ20A04 | | Q7010 | 8-729-230-49 | TRANSISTOR 2SC2712-YG | |
| D7013 | 8-719-510-13 | DIODE D10SC4MR | | Q7013 | 8-729-042-96 | TRANSISTOR 2SK2677F-02 | |
| D7015 | 8-719-510-41 | DIODE D10SC9M | | Q7015 | 8-729-031-13 | TRANSISTOR SI-9430DY-T1 | |
| D7020 | 8-719-914-43 | DIODE DAN202K | | Q7018 | 8-729-042-96 | TRANSISTOR 2SK2677F-02 | |
| D7021 | 8-719-055-30 | DIODE D1FS4A-TA | | | | <RESISTOR> | |
| D7022 | 8-719-055-30 | DIODE D1FS4A-TA | | R7001 | 1-217-418-61 | FUSIBLE | 0.47 10% 1/2W F |
| D7023 | 8-719-055-30 | DIODE D1FS4A-TA | | R7002 | 1-216-009-91 | RES,CHIP | 22 5% 1/10W |
| D7024 | 8-719-055-30 | DIODE D1FS4A-TA | | R7003 | 1-218-191-11 | METAL OXIDE | 0.1 5% 1W F |
| D7025 | 8-719-510-41 | DIODE D10SC9M | | R7005 | 1-216-295-91 | SHORT | 0 |
| D7026 | 8-719-510-41 | DIODE D10SC9M | | R7016 | 1-216-069-00 | RES,CHIP | 6.8K 5% 1/10W |
| D7027 | 8-719-510-41 | DIODE D10SC9M | | R7017 | 1-216-079-00 | RES,CHIP | 18K 5% 1/10W |
| D7028 | 8-719-050-21 | DIODE FCQ20A04 | | R7018 | 1-216-101-00 | RES,CHIP | 150K 5% 1/10W |
| D7029 | 8-719-055-30 | DIODE D1FS4A-TA | | | | | |
| D7030 | 8-719-068-71 | DIODE PTZ-TE25-13A | | | | | |
| D7031 | 8-719-068-71 | DIODE PTZ-TE25-13A | | | | | |
| D7101 | 8-719-106-80 | DIODE RD13M-B2 | | | | | |

| Rf.NO. | PART NO. | DESCRIPTION | REMARK | | |
|--------|--------------|-------------|--------|-------|--------|
| R7019 | 1-216-685-11 | METAL CHIP | 27K | 0.50% | 1/10W |
| R7020 | 1-216-023-00 | RES,CHIP | 82 | 5% | 1/10W |
| R7023 | 1-216-023-00 | RES,CHIP | 82 | 5% | 1/10W |
| R7024 | 1-216-390-11 | METAL OXIDE | 1.2 | 5% | 3W F |
| R7025 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W |
| R7029 | 1-216-023-00 | RES,CHIP | 82 | 5% | 1/10W |
| R7030 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |
| R7031 | 1-216-647-11 | METAL CHIP | 680 | 0.50% | 1/10W |
| R7032 | 1-216-643-11 | METAL CHIP | 470 | 0.50% | 1/10W |
| R7033 | 1-216-663-11 | METAL CHIP | 3.3K | 0.50% | 1/10W |
| R7036 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| R7048 | 1-215-929-11 | METAL OXIDE | 100K | 5% | 3W F |
| R7049 | 1-215-929-11 | METAL OXIDE | 100K | 5% | 3W F |
| R7051 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| R7052 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |
| R7053 | 1-216-077-00 | RES,CHIP | 15K | 5% | 1/10W |
| R7061 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W |
| R7062 | 1-216-069-00 | RES,CHIP | 6.8K | 5% | 1/10W |
| R7064 | 1-218-191-11 | METAL OXIDE | 0.1 | 5% | 1W F |
| R7067 | 1-216-061-00 | RES,CHIP | 3.3K | 5% | 1/10W |
| R7068 | 1-216-061-00 | RES,CHIP | 3.3K | 5% | 1/10W |
| R7069 | 1-216-295-91 | SHORT | 0 | | |
| R7070 | 1-218-191-11 | METAL OXIDE | 0.1 | 5% | 1W F |
| R7072 | 1-218-191-11 | METAL OXIDE | 0.1 | 5% | 1W F |
| R7075 | 1-216-023-00 | RES,CHIP | 82 | 5% | 1/10W |
| R7076 | 1-216-077-00 | RES,CHIP | 15K | 5% | 1/10W |
| R7078 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| R7079 | 1-216-295-91 | SHORT | 0 | | |
| R7083 | 1-249-389-11 | CARBON | 4.7 | 5% | 1/4W F |
| R7085 | 1-220-302-11 | RES,CHIP | 10K | 5% | 1/2W |
| R7086 | 1-216-061-00 | RES,CHIP | 3.3K | 5% | 1/10W |
| R7087 | 1-216-061-00 | RES,CHIP | 3.3K | 5% | 1/10W |
| R7088 | 1-216-061-00 | RES,CHIP | 3.3K | 5% | 1/10W |
| R7089 | 1-216-061-00 | RES,CHIP | 3.3K | 5% | 1/10W |
| R7090 | 1-215-883-11 | METAL OXIDE | 33 | 5% | 2W F |
| R7094 | 1-216-311-00 | RES,CHIP | 6.8 | 5% | 1/10W |

<TRANSFORMER>

| | | |
|-------|--------------|------------------------------|
| T7001 | 1-431-680-11 | TRANSFORMER, CONVERTER (SRT) |
| T7002 | 1-431-613-11 | TRANSFORMER, CONVERTER (SRT) |

* A-1316-369-B GBA BOARD, COMPLETE

7-634-109-24 TUBE, SILLICONE VARNISH GLASS

<CAPACITOR>

| | | | | | |
|-------|--------------|--------------|-------|-----|-----|
| C7101 | 1-164-004-11 | CERAMIC CHIP | 0.1μF | 10% | 25V |
| C7102 | 1-124-589-11 | ELECT | 47μF | 20% | 16V |
| C7103 | 1-164-004-11 | CERAMIC CHIP | 0.1μF | 10% | 25V |
| C7104 | 1-124-589-11 | ELECT | 47μF | 20% | 16V |
| C7105 | 1-164-004-11 | CERAMIC CHIP | 0.1μF | 10% | 25V |
| C7106 | 1-164-004-11 | CERAMIC CHIP | 0.1μF | 10% | 25V |
| C7107 | 1-124-589-11 | ELECT | 47μF | 20% | 16V |

| Rf.NO. | PART NO. | DESCRIPTION | REMARK | | |
|--------|--------------|--------------|--------|-----|------|
| C7108 | 1-164-004-11 | CERAMIC CHIP | 0.1μF | 10% | 25V |
| C7109 | 1-164-004-11 | CERAMIC CHIP | 0.1μF | 10% | 25V |
| C7110 | 1-124-589-11 | ELECT | 47μF | 20% | 16V |
| C7111 | 1-164-004-11 | CERAMIC CHIP | 0.1μF | 10% | 25V |
| C7115 | 1-126-155-11 | ELECT | 100μF | 20% | 6.3V |
| C7116 | 1-128-078-11 | ELECT | 33μF | 20% | 25V |
| C7117 | 1-128-078-11 | ELECT | 33μF | 20% | 25V |
| C7118 | 1-164-505-11 | CERAMIC CHIP | 2.2μF | 16V | |

<CONNECTOR>

| | | |
|--------|----------------|---------------------|
| CN7101 | * 1-779-004-11 | HOUSING, CONNECTOR |
| CN7102 | * 1-779-004-11 | HOUSING, CONNECTOR |
| CN7103 | * 1-564-510-11 | PLUG, CONNECTOR 7P |
| CN7104 | * 1-564-506-11 | PLUG, CONNECTOR 3P |
| CN7105 | * 1-564-506-11 | PLUG, CONNECTOR 3P |
| CN7106 | * 1-564-508-11 | PLUG, CONNECTOR 5P |
| CN7107 | * 1-764-334-11 | PLUG, CONNECTOR 11P |
| CN7108 | * 1-564-513-11 | PLUG, CONNECTOR 10P |
| CN7109 | * 1-564-516-11 | PLUG, CONNECTOR 13P |
| CN7110 | * 1-564-506-11 | PLUG, CONNECTOR 3P |

<DIODE>

| | | |
|-------|--------------|-----------------|
| D7019 | 8-719-104-34 | DIODE 1S2836 |
| D7102 | 8-719-911-19 | DIODE 1SS119-25 |
| D7103 | 8-719-104-34 | DIODE 1S2836 |

<IC>

| | | |
|--------|--------------|--------------------|
| IC7101 | 8-759-296-72 | IC PQ12SZ5U |
| IC7102 | 8-759-335-28 | IC TA78M09F(TE16L) |
| IC7103 | 8-759-157-17 | IC PQ05SZ1U |
| IC7104 | 8-759-045-17 | IC NJM79L05UA |

<TRANSISTOR>

| | | |
|-------|--------------|-----------------------|
| Q7101 | 8-729-230-49 | TRANSISTOR 2SC2712-YG |
| Q7102 | 8-729-230-49 | TRANSISTOR 2SC2712-YG |
| Q7103 | 8-729-230-49 | TRANSISTOR 2SC2712-YG |

<RESISTOR>

| | | | | | |
|-------|--------------|-------------|------|-------|-------|
| R7077 | 1-216-295-91 | SHORT | 0 | | |
| R7101 | 1-216-389-11 | METAL OXIDE | 1 | 5% | 3W F |
| R7102 | 1-215-910-00 | METAL OXIDE | 68 | 5% | 3W F |
| R7120 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W |
| R7121 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R7122 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R7123 | 1-216-075-00 | RES,CHIP | 12K | 5% | 1/10W |
| R7124 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R7125 | 1-216-643-11 | METAL CHIP | 470 | 0.50% | 1/10W |
| R7126 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W |
| R7127 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W |
| R7128 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R7129 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W |

| Rf.NO. | PART NO. | DESCRIPTION | REMARK | Rf.NO. | PART NO. | DESCRIPTION | REMARK |
|--------|----------------------------------|---------------------------|---------------|--------|-------------------------|------------------------------|---------------|
| | * A-1375-172-A H BOARD, COMPLETE | | | R6011 | 1-216-063-91 | RES,CHIP | 3.9K 5% 1/10W |
| | ***** | | | R6012 | 1-216-059-00 | RES,CHIP | 2.7K 5% 1/10W |
| | <CONNECTOR> | | | R6013 | 1-216-057-00 | RES,CHIP | 2.2K 5% 1/10W |
| CN6001 | * 1-764-007-11 | PIN, CONNECTOR (SMD) 12P | | R6014 | 1-216-053-00 | RES,CHIP | 1.5K 5% 1/10W |
| CN6002 | * 1-580-789-21 | PIN, CONNECTOR (SMD) 6P | | R6015 | 1-216-055-00 | RES,CHIP | 1.8K 5% 1/10W |
| CN6003 | * 1-580-057-11 | PIN, CONNECTOR (SMD) 4P | | R6016 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| CN6004 | * 1-580-055-21 | PIN, CONNECTOR (SMD) 2P | | R6017 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W |
| | <DIODE> | | | R6018 | 1-216-037-00 | RES,CHIP | 330 5% 1/10W |
| D6001 | 8-719-914-43 | DIODE DAN202K | | R6019 | 1-216-075-00 | RES,CHIP | 12K 5% 1/10W |
| D6002 | 8-719-914-44 | DIODE DAP202K | | R6020 | 1-216-033-00 | RES,CHIP | 220 5% 1/10W |
| D6003 | 8-719-045-61 | DIODE SEC1901C | | R6021 | 1-216-039-00 | RES,CHIP | 390 5% 1/10W |
| D6004 | 8-719-045-61 | DIODE SEC1901C | | R6022 | 1-216-029-00 | RES,CHIP | 150 5% 1/10W |
| D6005 | 8-719-045-55 | DIODE SEC1201C | | R6024 | 1-216-029-00 | RES,CHIP | 150 5% 1/10W |
| D6006 | 8-719-045-60 | DIODE SEC1401C | | R6026 | 1-216-029-00 | RES,CHIP | 150 5% 1/10W |
| D6007 | 8-719-045-53 | DIODE SEC1801C | | R6028 | 1-216-029-00 | RES,CHIP | 150 5% 1/10W |
| D6008 | 8-719-914-43 | DIODE DAN202K | | R6030 | 1-216-029-00 | RES,CHIP | 150 5% 1/10W |
| D6009 | 8-719-914-43 | DIODE DAN202K | | R6033 | 1-216-029-00 | RES,CHIP | 150 5% 1/10W |
| D6010 | 8-719-914-43 | DIODE DAN202K | | R6034 | 1-216-039-00 | RES,CHIP | 390 5% 1/10W |
| D6011 | 8-719-914-44 | DIODE DAP202K | | R6035 | 1-216-061-00 | RES,CHIP | 3.3K 5% 1/10W |
| D6012 | 8-719-914-44 | DIODE DAP202K | | R6038 | 1-216-061-00 | RES,CHIP | 3.3K 5% 1/10W |
| D6013 | 8-719-914-44 | DIODE DAP202K | | | <SWITCH> | | |
| D6014 | 8-719-045-60 | DIODE SEC1401C | | S6001 | 1-692-453-11 | SWITCH, KEY BOARD (←(LEFT)) | |
| D6015 | 8-719-045-53 | DIODE SEC1801C | | S6002 | 1-692-453-11 | SWITCH, KEY BOARD (→(RIGHT)) | |
| D6016 | 8-719-045-53 | DIODE SEC1801C | | S6003 | 1-692-453-11 | SWITCH, KEY BOARD (↓(DOWN)) | |
| D6017 | 8-719-045-53 | DIODE SEC1801C | | S6004 | 1-692-453-11 | SWITCH, KEY BOARD (↑(UP)) | |
| D6018 | 8-719-045-53 | DIODE SEC1801C | | S6005 | 1-692-453-11 | SWITCH, KEY BOARD (ENTER) | |
| D6019 | 8-719-045-53 | DIODE SEC1801C | | S6006 | 1-692-453-11 | SWITCH, KEY BOARD (MENU) | |
| D6020 | 8-719-045-53 | DIODE SEC1801C | | S6007 | 1-692-453-11 | SWITCH, KEY BOARD (INPUT) | |
| D6021 | 8-719-045-53 | DIODE SEC1801C | | S6008 | 1-692-453-11 | SWITCH, KEY BOARD (POWER) | |
| D6022 | 8-719-045-53 | DIODE SEC1801C | | S6009 | 1-692-453-11 | SWITCH, KEY BOARD (PATTERN) | |
| D6023 | 8-719-045-53 | DIODE SEC1801C | | S6010 | 1-692-453-11 | SWITCH, KEY BOARD (AUTO) | |
| D6024 | 8-719-045-53 | DIODE SEC1801C | | S6011 | 1-692-453-11 | SWITCH, KEY BOARD (VOLUME -) | |
| D6025 | 8-719-045-53 | DIODE SEC1801C | | S6012 | 1-692-453-11 | SWITCH, KEY BOARD (VOLUME +) | |
| D6026 | 8-719-045-53 | DIODE SEC1801C | | S6013 | 1-692-453-11 | SWITCH, KEY BOARD (RESET) | |
| D6027 | 8-719-045-53 | DIODE SEC1801C | | S6014 | 1-692-453-11 | SWITCH, KEY BOARD (LIGHT) | |
| D6028 | 8-719-045-53 | DIODE SEC1801C | | | ***** | | |
| | <TRANSISTOR> | | | | * 1-668-126-11 NF BOARD | | |
| Q6001 | 8-729-027-38 | TRANSISTOR DTA144EKA-T146 | | | ***** | | |
| Q6002 | 8-729-230-49 | TRANSISTOR 2SC2712-YG | | | <CAPACITOR> | | |
| Q6005 | 8-729-230-49 | TRANSISTOR 2SC2712-YG | | C4007 | 1-124-589-11 | ELECT | 47μF 20% 10V |
| | <RESISTOR> | | | | <CONNECTOR> | | |
| R6001 | 1-216-083-00 | RES,CHIP | 27K 5% 1/10W | CN4001 | * 1-564-518-11 | PLUG, CONNECTOR 3P | |
| R6002 | 1-216-075-00 | RES,CHIP | 12K 5% 1/10W | | <IC> | | |
| R6003 | 1-216-069-00 | RES,CHIP | 6.8K 5% 1/10W | IC4001 | 8-749-011-03 | IC GP1U26X | |
| R6004 | 1-216-063-91 | RES,CHIP | 3.9K 5% 1/10W | | | | |
| R6005 | 1-216-059-00 | RES,CHIP | 2.7K 5% 1/10W | | | | |
| R6006 | 1-216-057-00 | RES,CHIP | 2.2K 5% 1/10W | | | | |
| R6007 | 1-216-053-00 | RES,CHIP | 1.5K 5% 1/10W | | | | |
| R6008 | 1-216-055-00 | RES,CHIP | 1.8K 5% 1/10W | | | | |
| R6009 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W | | | | |
| R6010 | 1-216-069-00 | RES,CHIP | 6.8K 5% 1/10W | | | | |

| Rf.NO. | PART NO. | DESCRIPTION | REMARK | | | Rf.NO. | PART NO. | DESCRIPTION | REMARK | | |
|-----------------------------------|----------------|---------------------|--------|-----|-------|-------------|----------------|--------------------------|--------|-----|--|
| <RESISTOR> | | | | | | C1058 | 1-164-489-11 | CERAMIC CHIP 0.22μF | 10% | 16V | |
| R4001 | 1-216-017-91 | RES,CHIP | 47 | 5% | 1/10W | C1059 | 1-117-681-11 | ELECT CHIP 100μF | 20% | 16V | |
| R4002 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W | C1060 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% | 25V | |
| ***** | | | | | | C1061 | 1-126-603-11 | ELECT CHIP 4.7μF | 20% | 35V | |
| * 1-668-127-11 NR BOARD | | | | | | C1062 | 1-126-603-11 | ELECT CHIP 4.7μF | 20% | 35V | |
| ***** | | | | | | C1065 | 1-164-161-11 | CERAMIC CHIP 0.0022μF | 10% | 50V | |
| <CAPACITOR> | | | | | | C1066 | 1-124-779-00 | ELECT CHIP 10μF | 20% | 16V | |
| C4801 | 1-124-589-11 | ELECT | 47μF | 20% | 10V | C1068 | 1-107-682-11 | CERAMIC CHIP 1μF | 10% | 16V | |
| <CONNECTOR> | | | | | | C1069 | 1-124-779-00 | ELECT CHIP 10μF | 20% | 16V | |
| CN4801 | * 1-564-518-11 | PLUG, CONNECTOR 3P | | | | C1072 | 1-124-779-00 | ELECT CHIP 10μF | 20% | 16V | |
| <IC> | | | | | | C1073 | 1-164-161-11 | CERAMIC CHIP 0.0022μF | 10% | 50V | |
| IC4801 | 8-749-011-03 | IC GP1U26X | | | | C1074 | 1-124-779-00 | ELECT CHIP 10μF | 20% | 16V | |
| <RESISTOR> | | | | | | C1075 | 1-107-682-11 | CERAMIC CHIP 1μF | 10% | 16V | |
| R4801 | 1-216-017-91 | RES,CHIP | 47 | 5% | 1/10W | C1077 | 1-117-681-11 | ELECT CHIP 100μF | 20% | 16V | |
| R4802 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W | C1078 | 1-124-779-00 | ELECT CHIP 10μF | 20% | 16V | |
| ***** | | | | | | C1079 | 1-163-021-91 | CERAMIC CHIP 0.01μF | 10% | 50V | |
| * A-1275-150-D QA BOARD, COMPLETE | | | | | | C1080 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% | 25V | |
| ***** | | | | | | C1081 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% | 25V | |
| <CAPACITOR> | | | | | | C1082 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% | 25V | |
| C1001 | 1-163-133-00 | CERAMIC CHIP 470PF | 5% | 50V | | C1083 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% | 25V | |
| C1003 | 1-126-603-11 | ELECT CHIP 4.7μF | 20% | 35V | | C1084 | 1-124-779-00 | ELECT CHIP 10μF | 20% | 16V | |
| C1005 | 1-126-603-11 | ELECT CHIP 4.7μF | 20% | 35V | | C1085 | 1-124-779-00 | ELECT CHIP 10μF | 20% | 16V | |
| C1006 | 1-126-603-11 | ELECT CHIP 4.7μF | 20% | 35V | | C1086 | 1-107-823-11 | CERAMIC CHIP 0.47μF | 10% | 16V | |
| C1007 | 1-126-603-11 | ELECT CHIP 4.7μF | 20% | 35V | | C1087 | 1-107-682-11 | CERAMIC CHIP 1μF | 10% | 16V | |
| C1008 | 1-126-191-11 | ELECT CHIP 0.47μF | 20% | 50V | | C1088 | 1-126-204-11 | ELECT CHIP 47μF | 20% | 16V | |
| C1009 | 1-126-191-11 | ELECT CHIP 0.47μF | 20% | 50V | | C1089 | 1-126-204-11 | ELECT CHIP 47μF | 20% | 16V | |
| C1010 | 1-115-565-11 | CERAMIC CHIP 2.2μF | 10% | 10V | | C1090 | 1-163-023-00 | CERAMIC CHIP 0.015μF | 10% | 50V | |
| C1011 | 1-115-565-11 | CERAMIC CHIP 2.2μF | 10% | 10V | | C1091 | 1-163-023-00 | CERAMIC CHIP 0.015μF | 10% | 50V | |
| C1012 | 1-124-779-00 | ELECT CHIP 10μF | 20% | 16V | | C1092 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% | 25V | |
| C1024 | 1-124-779-00 | ELECT CHIP 10μF | 20% | 16V | | C1093 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% | 25V | |
| C1030 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% | 25V | | C1094 | 1-164-004-11 | CERAMIC CHIP 0.1μF | 10% | 25V | |
| C1040 | 1-107-682-11 | CERAMIC CHIP 1μF | 10% | 16V | | C1095 | 1-107-682-11 | CERAMIC CHIP 1μF | 10% | 16V | |
| C1041 | 1-107-682-11 | CERAMIC CHIP 1μF | 10% | 16V | | C1096 | 1-107-682-11 | CERAMIC CHIP 1μF | 10% | 16V | |
| C1048 | 1-126-395-11 | ELECT CHIP 22μF | 20% | 16V | | C1097 | 1-107-682-11 | CERAMIC CHIP 1μF | 10% | 16V | |
| C1049 | 1-126-395-11 | ELECT CHIP 22μF | 20% | 16V | | <CONNECTOR> | | | | | |
| C1050 | 1-126-601-11 | ELECT CHIP 2.2μF | 20% | 50V | | CN1001 | * 1-580-789-21 | PIN, CONNECTOR (SMD) 6P | | | |
| C1051 | 1-117-681-11 | ELECT CHIP 100μF | 20% | 16V | | CN1002 | * 1-569-775-21 | PIN, CONNECTOR (SMD) 5P | | | |
| C1052 | 1-107-682-11 | CERAMIC CHIP 1μF | 10% | 16V | | CN1003 | * 1-580-057-11 | PIN, CONNECTOR (SMD) 4P | | | |
| C1053 | 1-117-681-11 | ELECT CHIP 100μF | 20% | 16V | | CN1004 | * 1-764-007-11 | PIN, CONNECTOR (SMD) 12P | | | |
| C1054 | 1-117-681-11 | ELECT CHIP 100μF | 20% | 16V | | <DIODE> | | | | | |
| C1055 | 1-164-489-11 | CERAMIC CHIP 0.22μF | 10% | 16V | | D1001 | 8-719-158-37 | DIODE RD9.1SB2 | | | |
| C1056 | 1-117-681-11 | ELECT CHIP 100μF | 20% | 16V | | D1002 | 8-719-158-37 | DIODE RD9.1SB2 | | | |
| C1057 | 1-117-681-11 | ELECT CHIP 100μF | 20% | 16V | | D1003 | 8-719-158-37 | DIODE RD9.1SB2 | | | |
| | | | | | | D1004 | 8-719-158-37 | DIODE RD9.1SB2 | | | |
| | | | | | | D1005 | 8-719-158-37 | DIODE RD9.1SB2 | | | |
| | | | | | | D1007 | 8-719-158-37 | DIODE RD9.1SB2 | | | |
| | | | | | | D1008 | 8-719-158-37 | DIODE RD9.1SB2 | | | |
| | | | | | | D1009 | 8-719-914-43 | DIODE DAN202K | | | |
| | | | | | | D1010 | 8-719-914-44 | DIODE DAP202K | | | |
| | | | | | | D1011 | 8-719-036-76 | DIODE RD3.3SB2-T1 | | | |
| | | | | | | D1012 | 8-719-914-43 | DIODE DAN202K | | | |
| | | | | | | D1013 | 8-719-914-43 | DIODE DAN202K | | | |
| | | | | | | D1014 | 8-719-158-37 | DIODE RD9.1SB2 | | | |
| | | | | | | D1015 | 8-719-158-37 | DIODE RD9.1SB2 | | | |

| Rf.NO. | PART NO. | DESCRIPTION | REMARK | Rf.NO. | PART NO. | DESCRIPTION | REMARK |
|--------|--------------|--|--------|--------|--------------|------------------|--------|
| D1016 | 8-719-036-76 | DIODE RD3.3SB2-T1 | | R1009 | 1-216-057-00 | RES,CHIP 2.2K 5% | 1/10W |
| | | | | R1010 | 1-216-113-00 | RES,CHIP 470K 5% | 1/10W |
| | | | | R1011 | 1-216-089-91 | RES,CHIP 47K 5% | 1/10W |
| | <IC> | | | R1012 | 1-216-081-00 | RES,CHIP 22K 5% | 1/10W |
| IC1001 | 8-759-285-61 | IC PC74HC123D-T | | R1013 | 1-216-148-00 | RES,CHIP 8.2 5% | 1/8W |
| IC1006 | 8-759-983-69 | IC LM358PS | | R1014 | 1-216-097-91 | RES,CHIP 100K 5% | 1/10W |
| IC1007 | 8-759-524-84 | IC TEA2025D-013TR | | R1015 | 1-216-049-91 | RES,CHIP 1K 5% | 1/10W |
| IC1008 | 8-752-074-42 | IC CXA1946AR | | R1017 | 1-216-049-91 | RES,CHIP 1K 5% | 1/10W |
| IC1009 | 8-759-983-69 | IC LM358PS | | R1018 | 1-216-049-91 | RES,CHIP 1K 5% | 1/10W |
| | <JACK> | | | R1027 | 1-216-065-91 | RES,CHIP 4.7K 5% | 1/10W |
| J1001 | 1-563-935-11 | JACK, STEREO HEADPHONE (AUDIO INPUT A) | | R1028 | 1-216-025-91 | RES,CHIP 100 5% | 1/10W |
| J1002 | 1-563-935-11 | JACK, STEREO HEADPHONE (AUDIO INPUT B) | | R1029 | 1-216-025-91 | RES,CHIP 100 5% | 1/10W |
| J1004 | 1-563-935-11 | JACK, STEREO HEADPHONE (AUDIO OUT) | | R1033 | 1-216-049-91 | RES,CHIP 1K 5% | 1/10W |
| J1005 | 1-563-935-11 | JACK, STEREO HEADPHONE (CONTROL S IN) | | R1034 | 1-216-049-91 | RES,CHIP 1K 5% | 1/10W |
| | <COIL> | | | R1037 | 1-216-025-91 | RES,CHIP 100 5% | 1/10W |
| L1001 | 1-412-363-21 | FERRITE 0μH | | R1054 | 1-216-097-91 | RES,CHIP 100K 5% | 1/10W |
| L1002 | 1-412-363-21 | FERRITE 0μH | | R1055 | 1-216-097-91 | RES,CHIP 100K 5% | 1/10W |
| L1003 | 1-412-363-21 | FERRITE 0μH | | R1058 | 1-216-097-91 | RES,CHIP 100K 5% | 1/10W |
| L1004 | 1-412-363-21 | FERRITE 0μH | | R1059 | 1-216-097-91 | RES,CHIP 100K 5% | 1/10W |
| L1005 | 1-412-363-21 | FERRITE 0μH | | R1062 | 1-216-025-91 | RES,CHIP 100 5% | 1/10W |
| L1006 | 1-412-363-21 | FERRITE 0μH | | R1072 | 1-216-025-91 | RES,CHIP 100 5% | 1/10W |
| L1008 | 1-412-363-21 | FERRITE 0μH | | R1074 | 1-216-061-00 | RES,CHIP 3.3K 5% | 1/10W |
| L1009 | 1-412-363-21 | FERRITE 0μH | | R1076 | 1-216-061-00 | RES,CHIP 3.3K 5% | 1/10W |
| L1010 | 1-412-363-21 | FERRITE 0μH | | R1077 | 1-216-059-00 | RES,CHIP 2.7K 5% | 1/10W |
| L1011 | 1-412-363-21 | FERRITE 0μH | | R1079 | 1-216-059-00 | RES,CHIP 2.7K 5% | 1/10W |
| L1012 | 1-412-363-21 | FERRITE 0μH | | R1080 | 1-216-049-91 | RES,CHIP 1K 5% | 1/10W |
| | <TRANSISTOR> | | | R1082 | 1-216-049-91 | RES,CHIP 1K 5% | 1/10W |
| Q1001 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | R1083 | 1-216-049-91 | RES,CHIP 1K 5% | 1/10W |
| Q1002 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | R1084 | 1-216-049-91 | RES,CHIP 1K 5% | 1/10W |
| Q1003 | 8-729-230-49 | TRANSISTOR 2SC2712-YG | | R1085 | 1-216-049-91 | RES,CHIP 1K 5% | 1/10W |
| Q1004 | 8-729-230-49 | TRANSISTOR 2SC2712-YG | | R1086 | 1-216-049-91 | RES,CHIP 1K 5% | 1/10W |
| Q1005 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | | R1087 | 1-216-075-00 | RES,CHIP 12K 5% | 1/10W |
| Q1007 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | R1088 | 1-216-075-00 | RES,CHIP 12K 5% | 1/10W |
| Q1008 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | | R1089 | 1-216-097-91 | RES,CHIP 100K 5% | 1/10W |
| Q1011 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | R1090 | 1-216-041-00 | RES,CHIP 470 5% | 1/10W |
| Q1012 | 8-729-230-49 | TRANSISTOR 2SC2712-YG | | R1091 | 1-216-061-00 | RES,CHIP 3.3K 5% | 1/10W |
| Q1013 | 8-729-230-49 | TRANSISTOR 2SC2712-YG | | R1092 | 1-216-073-00 | RES,CHIP 10K 5% | 1/10W |
| Q1014 | 8-729-230-49 | TRANSISTOR 2SC2712-YG | | R1093 | 1-216-113-00 | RES,CHIP 470K 5% | 1/10W |
| | <RESISTOR> | | | R1094 | 1-216-113-00 | RES,CHIP 470K 5% | 1/10W |
| R1001 | 1-216-308-00 | RES,CHIP 4.7 5% | 1/10W | R1095 | 1-216-295-91 | SHORT 0 | |
| R1002 | 1-216-113-00 | RES,CHIP 470K 5% | 1/10W | R1096 | 1-216-295-91 | SHORT 0 | |
| R1003 | 1-216-113-00 | RES,CHIP 470K 5% | 1/10W | R1097 | 1-216-295-91 | SHORT 0 | |
| R1004 | 1-216-113-00 | RES,CHIP 470K 5% | 1/10W | R1098 | 1-216-295-91 | SHORT 0 | |
| R1005 | 1-216-113-00 | RES,CHIP 470K 5% | 1/10W | R1099 | 1-216-295-91 | SHORT 0 | |
| R1007 | 1-216-113-00 | RES,CHIP 470K 5% | 1/10W | R1100 | 1-216-295-91 | SHORT 0 | |
| R1008 | 1-216-113-00 | RES,CHIP 470K 5% | 1/10W | R1102 | 1-216-295-91 | SHORT 0 | |
| | | | | R1103 | 1-216-295-91 | SHORT 0 | |
| | | | | R1104 | 1-216-295-91 | SHORT 0 | |
| | | | | R1106 | 1-216-295-91 | SHORT 0 | |
| | | | | R1107 | 1-216-295-91 | SHORT 0 | |
| | | | | R1108 | 1-216-295-91 | SHORT 0 | |
| | | | | R1109 | 1-216-073-00 | RES,CHIP 10K 5% | 1/10W |
| | | | | R1110 | 1-216-025-91 | RES,CHIP 100 5% | 1/10W |
| | | | | R1111 | 1-216-025-91 | RES,CHIP 100 5% | 1/10W |
| | | | | R1112 | 1-216-025-91 | RES,CHIP 100 5% | 1/10W |
| | | | | R1114 | 1-216-097-91 | RES,CHIP 100K 5% | 1/10W |
| | | | | R1116 | 1-216-081-00 | RES,CHIP 22K 5% | 1/10W |
| | | | | R1117 | 1-216-073-00 | RES,CHIP 10K 5% | 1/10W |

| Rf.NO. | PART NO. | DESCRIPTION | REMARK | | | |
|--------|--------------|-------------|--------|----|-------|--|
| R1118 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W | |
| R1119 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W | |
| R1120 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W | |
| R1121 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W | |
| R1122 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W | |
| R1123 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W | |
| R1124 | 1-216-097-91 | RES,CHIP | 100K | 5% | 1/10W | |
| R1125 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W | |
| R1126 | 1-216-097-91 | RES,CHIP | 100K | 5% | 1/10W | |
| R1127 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W | |

* 1-668-130-15 QB BOARD (S900M/S900U)

<CONNECTOR>

CN1501* 1-766-383-11 PIN, CONNECTOR (1.5MM)(SMD)12P

<JACK>

J1501 1-770-053-11 TERMINAL BLOCK, S (LIGHT ANGLE)

* A-1275-169-A QC BOARD, COMPLETE

<CAPACITOR>

| | | | | | |
|-------|--------------|--------------|-------|-----|-----|
| C1601 | 1-117-681-11 | ELECT CHIP | 100μF | 20% | 16V |
| C1602 | 1-107-725-11 | CERAMIC CHIP | 0.1μF | 10% | 16V |
| C1603 | 1-107-725-11 | CERAMIC CHIP | 0.1μF | 10% | 16V |
| C1604 | 1-107-725-11 | CERAMIC CHIP | 0.1μF | 10% | 16V |
| C1605 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C1606 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C1607 | 1-107-725-11 | CERAMIC CHIP | 0.1μF | 10% | 16V |
| C1608 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C1609 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C1610 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |

| | | | | | |
|-------|--------------|--------------|-------|-----|-----|
| C1611 | 1-107-725-11 | CERAMIC CHIP | 0.1μF | 10% | 16V |
| C1612 | 1-107-725-11 | CERAMIC CHIP | 0.1μF | 10% | 16V |
| C1613 | 1-107-725-11 | CERAMIC CHIP | 0.1μF | 10% | 16V |
| C1614 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C1615 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |

| | | | | | |
|-------|--------------|--------------|-------|-----|-----|
| C1616 | 1-107-725-11 | CERAMIC CHIP | 0.1μF | 10% | 16V |
| C1617 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C1618 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C1619 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C1620 | 1-117-681-11 | ELECT CHIP | 100μF | 20% | 16V |

<CONNECTOR>

| | | | | | |
|--------|----------------|-------------------------|--|--|--|
| CN1600 | 1-778-830-21 | CONNECTOR (BUS) | | | |
| CN1601 | * 1-569-775-21 | PIN, CONNECTOR (SMD) 5P | | | |
| CN1602 | 1-778-830-21 | CONNECTOR (BUS) | | | |

| Rf.NO. | PART NO. | DESCRIPTION | REMARK |
|--------|--------------|---------------------------|--------|
| | | <DIODE> | |
| D1602 | 8-719-988-61 | DIODE 1SS355TE-17 | |
| D1603 | 8-719-988-61 | DIODE 1SS355TE-17 | |
| D1604 | 8-719-058-24 | DIODE RB501V-40TE-17 | |
| D1605 | 8-719-158-15 | DIODE RD5.6SB | |
| D1606 | 8-719-988-61 | DIODE 1SS355TE-17 | |
| D1608 | 8-719-158-15 | DIODE RD5.6SB | |
| D1609 | 8-719-158-15 | DIODE RD5.6SB | |
| D1610 | 8-719-158-15 | DIODE RD5.6SB | |
| D1611 | 8-719-158-15 | DIODE RD5.6SB | |
| D1612 | 8-719-158-15 | DIODE RD5.6SB | |
| D1613 | 8-719-158-15 | DIODE RD5.6SB | |
| D1614 | 8-719-158-15 | DIODE RD5.6SB | |
| D1615 | 8-719-988-61 | DIODE 1SS355TE-17 | |
| D1616 | 8-719-158-15 | DIODE RD5.6SB | |
| D1617 | 8-719-158-15 | DIODE RD5.6SB | |
| D1618 | 8-719-158-15 | DIODE RD5.6SB | |
| D1619 | 8-719-988-61 | DIODE 1SS355TE-17 | |
| D1627 | 8-719-158-15 | DIODE RD5.6SB | |
| D1628 | 8-719-158-15 | DIODE RD5.6SB | |
| D1629 | 8-719-158-15 | DIODE RD5.6SB | |
| D1630 | 8-719-158-15 | DIODE RD5.6SB | |
| D1631 | 8-719-158-15 | DIODE RD5.6SB | |
| D1632 | 8-719-158-15 | DIODE RD5.6SB | |
| D1633 | 8-719-158-15 | DIODE RD5.6SB | |
| D1634 | 8-719-158-15 | DIODE RD5.6SB | |
| D1635 | 8-719-158-15 | DIODE RD5.6SB | |
| D1636 | 8-719-158-15 | DIODE RD5.6SB | |
| D1637 | 8-719-158-37 | DIODE RD9.1SB2 | |
| D1638 | 8-719-158-15 | DIODE RD5.6SB | |
| D1639 | 8-719-158-37 | DIODE RD9.1SB2 | |
| D1640 | 8-719-158-15 | DIODE RD5.6SB | |
| D1641 | 8-719-988-61 | DIODE 1SS355TE-17 | |
| D1642 | 8-719-988-61 | DIODE 1SS355TE-17 | |
| D1643 | 8-719-058-24 | DIODE RB501V-40TE-17 | |
| D1644 | 8-719-158-15 | DIODE RD5.6SB | |
| D1645 | 8-719-988-61 | DIODE 1SS355TE-17 | |
| D1651 | 8-719-988-61 | DIODE 1SS355TE-17 | |
| D1653 | 8-719-988-61 | DIODE 1SS355TE-17 | |
| | | <IC> | |
| IC1601 | 8-759-186-43 | IC TC74VHC123AF | |
| IC1602 | 8-759-586-47 | IC RCV2-A3S | |
| IC1603 | 8-759-186-43 | IC TC74VHC123AF | |
| IC1604 | 8-759-586-47 | IC RCV2-A3S | |
| | | <TRANSISTOR> | |
| Q1602 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q1603 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q1605 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q1606 | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 | |
| Q1608 | 8-729-216-22 | TRANSISTOR 2SA1162-G | |
| Q1609 | 8-729-216-22 | TRANSISTOR 2SA1162-G | |

| Rf.NO. | PART NO. | DESCRIPTION | REMARK | | | | Rf.NO. | PART NO. | DESCRIPTION | REMARK | | | |
|--------|--------------|-------------|--------|----|-------|--|--------|--------------|-------------|--------|----|-------|--|
| | | <RESISTOR> | | | | | R1658 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W | |
| | | | | | | | R1659 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W | |
| R1600 | 1-216-295-91 | SHORT | 0 | | | | R1660 | 1-216-067-00 | RES,CHIP | 5.6K | 5% | 1/10W | |
| R1601 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W | | R1661 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W | |
| R1602 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W | | | | | | | | |
| R1603 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W | | R1662 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W | |
| R1604 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W | | R1664 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W | |
| | | | | | | | R1666 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W | |
| R1605 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W | | R1667 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W | |
| R1606 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W | | | | | | | | |
| R1607 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W | | | | | | | | |
| R1608 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W | | | | | | | | |
| R1609 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W | | | | | | | | |
| | | | | | | | | | | | | | |
| R1610 | 1-216-295-91 | SHORT | 0 | | | | | | | | | | |
| R1611 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W | | | | | | | | |
| R1612 | 1-216-017-91 | RES,CHIP | 47 | 5% | 1/10W | | | | | | | | |
| R1613 | 1-216-121-91 | RES,CHIP | 1M | 5% | 1/10W | | | | | | | | |
| R1614 | 1-216-017-91 | RES,CHIP | 47 | 5% | 1/10W | | | | | | | | |
| | | | | | | | | | | | | | |
| R1615 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W | | | | | | | | |
| R1616 | 1-216-017-91 | RES,CHIP | 47 | 5% | 1/10W | | | | | | | | |
| R1617 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W | | | | | | | | |
| R1618 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W | | | | | | | | |
| R1619 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W | | | | | | | | |
| | | | | | | | | | | | | | |
| R1621 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W | | | | | | | | |
| R1622 | 1-216-083-00 | RES,CHIP | 27K | 5% | 1/10W | | | | | | | | |
| R1623 | 1-216-295-91 | SHORT | 0 | | | | | | | | | | |
| R1624 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W | | | | | | | | |
| R1625 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W | | | | | | | | |
| | | | | | | | | | | | | | |
| R1626 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W | | | | | | | | |
| R1627 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W | | | | | | | | |
| R1628 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W | | | | | | | | |
| R1629 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W | | | | | | | | |
| R1630 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W | | | | | | | | |
| | | | | | | | | | | | | | |
| R1631 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W | | | | | | | | |
| R1632 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W | | | | | | | | |
| R1633 | 1-216-295-91 | SHORT | 0 | | | | | | | | | | |
| R1634 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W | | | | | | | | |
| R1635 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W | | | | | | | | |
| | | | | | | | | | | | | | |
| R1636 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W | | | | | | | | |
| R1637 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W | | | | | | | | |
| R1638 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W | | | | | | | | |
| R1639 | 1-216-017-91 | RES,CHIP | 47 | 5% | 1/10W | | | | | | | | |
| R1640 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W | | | | | | | | |
| | | | | | | | | | | | | | |
| R1641 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W | | | | | | | | |
| R1643 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W | | | | | | | | |
| R1644 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W | | | | | | | | |
| R1645 | 1-216-083-00 | RES,CHIP | 27K | 5% | 1/10W | | | | | | | | |
| R1646 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W | | | | | | | | |
| | | | | | | | | | | | | | |
| R1647 | 1-216-121-91 | RES,CHIP | 1M | 5% | 1/10W | | | | | | | | |
| R1648 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W | | | | | | | | |
| R1649 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W | | | | | | | | |
| R1650 | 1-216-083-00 | RES,CHIP | 27K | 5% | 1/10W | | | | | | | | |
| R1651 | 1-216-083-00 | RES,CHIP | 27K | 5% | 1/10W | | | | | | | | |
| | | | | | | | | | | | | | |
| R1652 | 1-216-067-00 | RES,CHIP | 5.6K | 5% | 1/10W | | | | | | | | |
| R1653 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W | | | | | | | | |
| R1654 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W | | | | | | | | |
| R1655 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W | | | | | | | | |
| R1656 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W | | | | | | | | |
| | | | | | | | | | | | | | |
| R1657 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W | | | | | | | | |

| Rf.NO. | PART NO. | DESCRIPTION | REMARK | Rf.NO. | PART NO. | DESCRIPTION | REMARK |
|--------|----------------|--------------------------------|--------|--------|----------------|---|--------|
| | | MISCELLANEOUS ***** | | | | ACCESSORIES ***** | |
| | A-1501-336-A | POWER BLOCK | | | 1-475-735-51 | REMOTE COMMANDER (RM-PJM600) | |
| | 1-475-689-61 | CONVERTE UNIT, SCAN (BB BOARD) | | △ | 1-557-377-11 | CORD, POWER (3 CORE) 10A/125V (S900U) | |
| | 1-500-082-11 | CLAMP, SLEEVE FERRITE | | | 1-575-334-11 | CORD, CONNECTION (S900M/S900U) | |
| | 1-500-249-11 | BEAD, FERRITE (CASE) | | | 1-774-626-11 | ADAPTOR, CONVERSION | |
| | 1-504-847-11 | SPEAKER (2.8cm) | | △ | 1-777-649-11 | CORD, POWER 10A/250V (S900E) | |
| | 1-505-282-11 | SPEAKER (057F006) | | | 1-777-743-11 | CABLE (15PDSUBX2 CONNECTOR) | |
| | △ 1-526-954-11 | INLET, AC | | △ | 1-782-929-11 | CORD, POWER SUPPLY (BS 3P) 10A/250V (S900M) | |
| | 1-763-069-11 | FAN, DC | | | 3-862-351-13 | INSTALLATION MANUAL FOR DEALERS (ENGLISH/FRENCH/SPANISH) | |
| | 1-763-070-11 | FAN, DC | | | 3-862-351-33 | INSTALLATION MANUAL FOR DEALERS (SIMPLIFIED CHINESE)(S900M) | |
| | 1-763-101-11 | FAN, DC | | | 3-862-351-23 | INSTALLATION MANUAL FOR DEALERS (GERMAN/ITALIAN)(S900E) | |
| ***** | | | | | 3-865-632-11 | MANUAL, INSTRUCTION (ENGLISH/FRENCH/SPANISH) | |
| | | | | | 3-865-632-21 | MANUAL, INSTRUCTION (GERMAN/ITALIAN)(S900E) | |
| | | | | | 3-865-632-31 | MANUAL, INSTRUCTION (SIMPLIFIED CHINESE)(S900M) | |
| | | | | | 4-063-684-01 | FILTER | |
| | | | | | * X-4035-430-3 | COVER ASSY, FRONT | |
| | | | | ***** | | | |

RM-PJM600

| Ref.No. | Part No. | Description | Remark |
|---------|--------------|-------------------------------|--------|
| | 1-475-735-51 | REMOTE COMMANDER | |
| | 9-880-535-01 | BATTERY COVER (FOR RM-PJM600) | |

IFB-X600E

| Ref.No. | Part No. | Description | Remark |
|---------|----------------|--|--------|
| | * A-1275-152-A | QB BOARD, COMPLETE ***** | |
| | | <CONNECTOR> | |
| CN1501 | * 1-766-383-11 | PIN, CONNECTOR (1.5MM)(SMD)12P | |
| | | <JACK> | |
| J1501 | 1-770-053-11 | TERMINAL BLOCK, S(LIGHT ANGLE) | |
| ***** | | | |
| | | ACCESSORIES AND PACKING MATERIALS ***** | |
| | 1-575-334-11 | CORD, CONNECTION | |
| | 3-862-502-11 | INSTALLATION MANUAL (E/F/G/S/I) | |

PSS-600

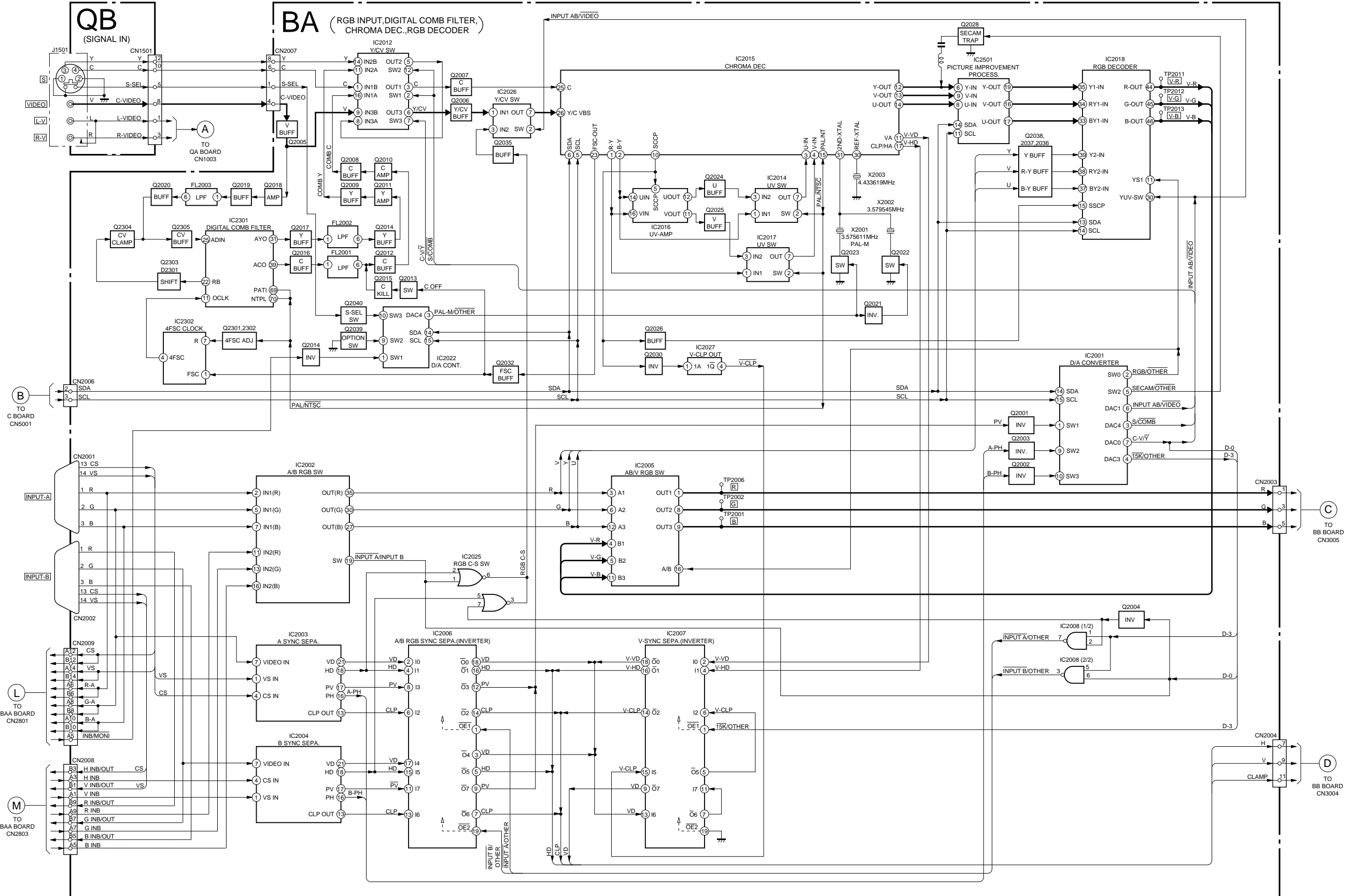
| Ref.No. | Part No. | Description | Remark |
|---------|----------------|--|--------|
| | | ACCESSORIES AND PACKING MATERIALS ***** | |
| | 3-862-500-01 | INSTALLATION MANUAL (J/E/F/G/S/I/C2) | |
| | 4-047-742-01 | NUT (M8), HEXAGON | |
| | 4-047-743-01 | WASHER, TOOTHED LOCK | |
| | 4-047-744-01 | PIN | |
| | 4-047-746-01 | BOLT (M8X50), HEXAGON | |
| | 4-047-748-01 | WASHER (M8), FLAT | |
| | 4-047-765-01 | SCREW (M4X6), +P | |
| | 4-047-903-01 | PIN, SNAP | |
| | 4-063-982-01 | BOLT (M5), HEXAGON HEAD | |
| | 4-063-983-01 | WASHER (M5), PLAIN | |
| | 4-063-984-01 | WASHER (M5), LOCK SPRING | |
| | * 4-063-985-01 | BRACKET, PROJECTOR | |

SECTION 7

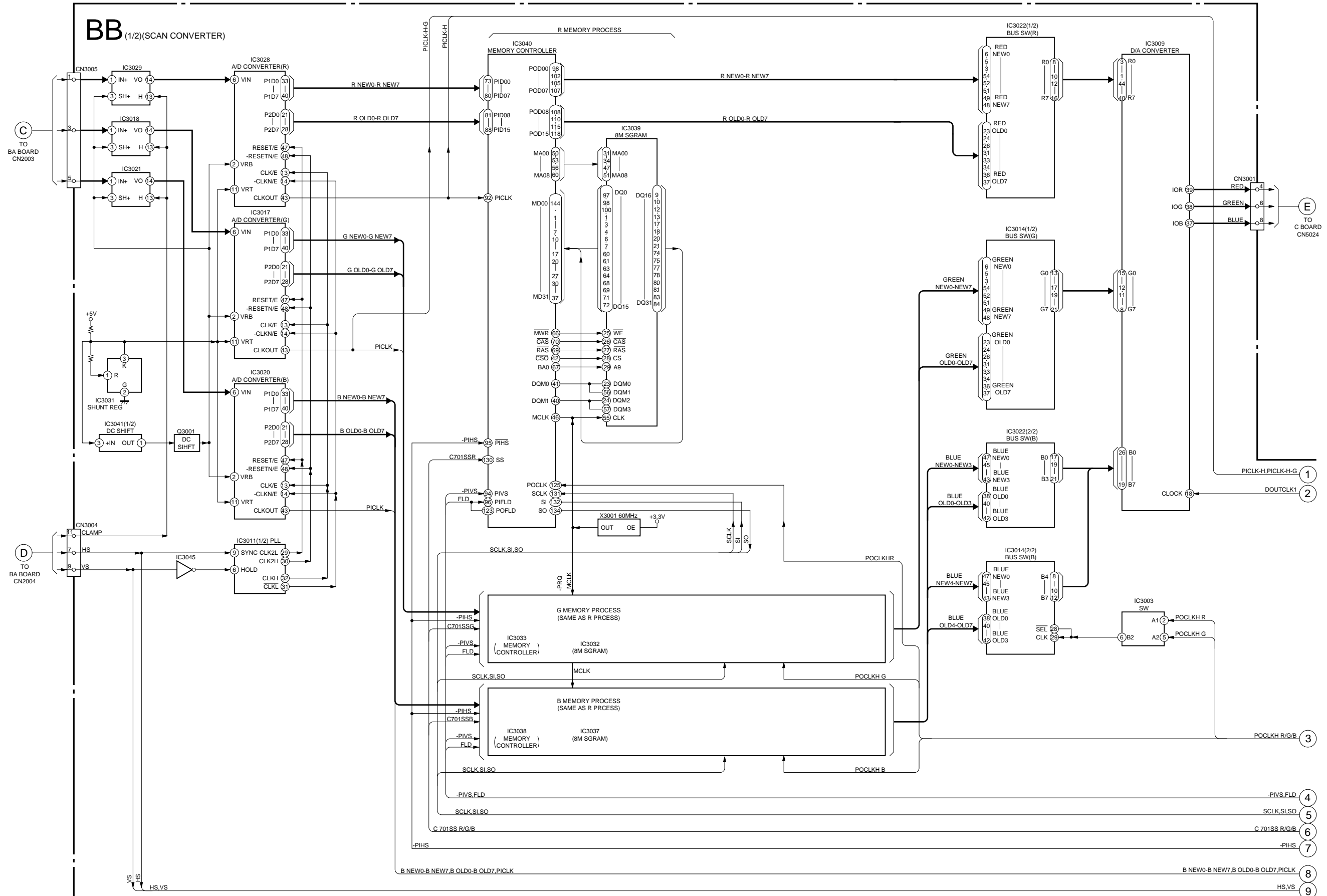
BLOCK DIAGRAMS

7-1. BA, QB BOARD BLOCK DIAGRAM

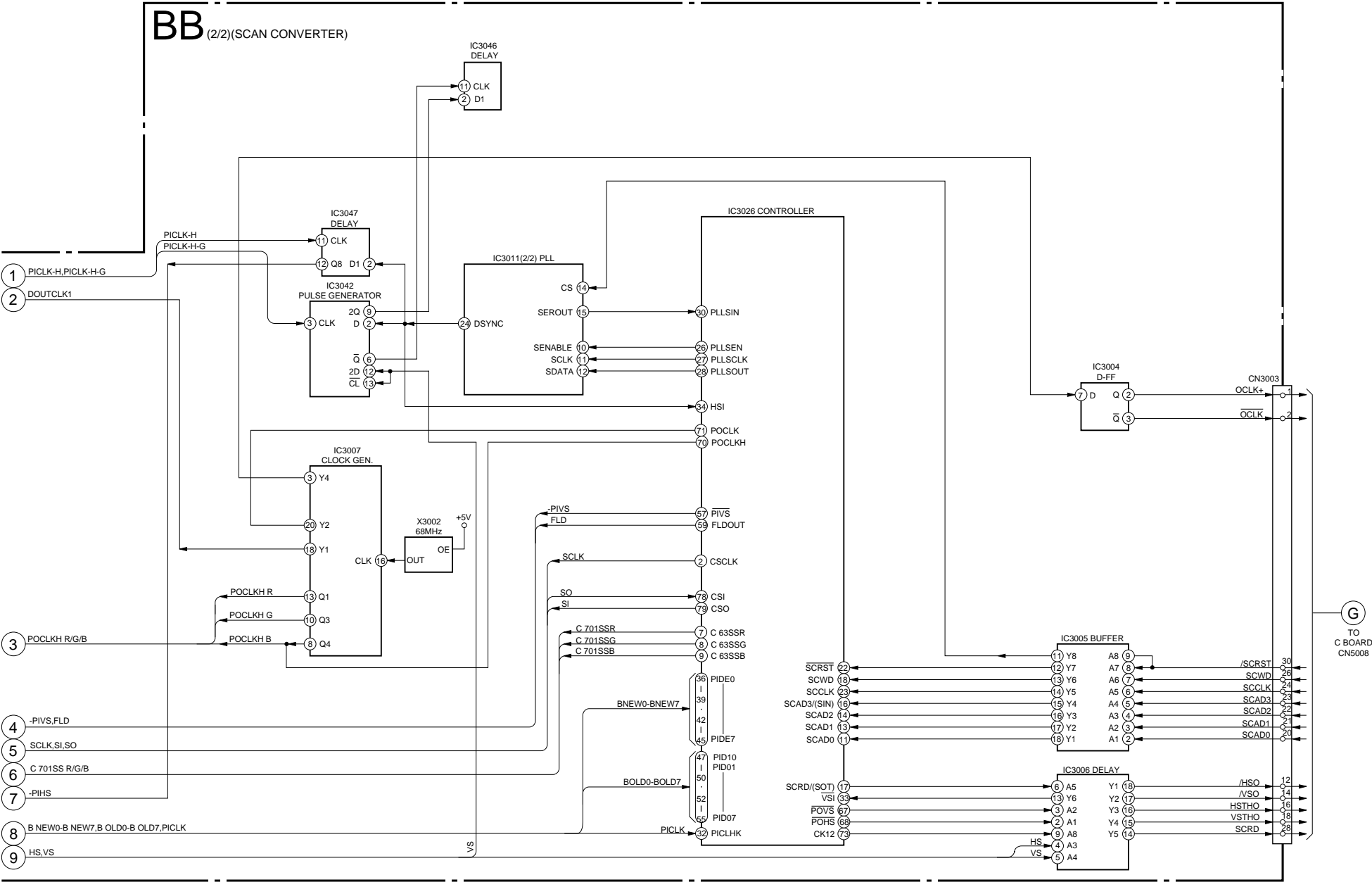
(VPL-S900M/S900U only)



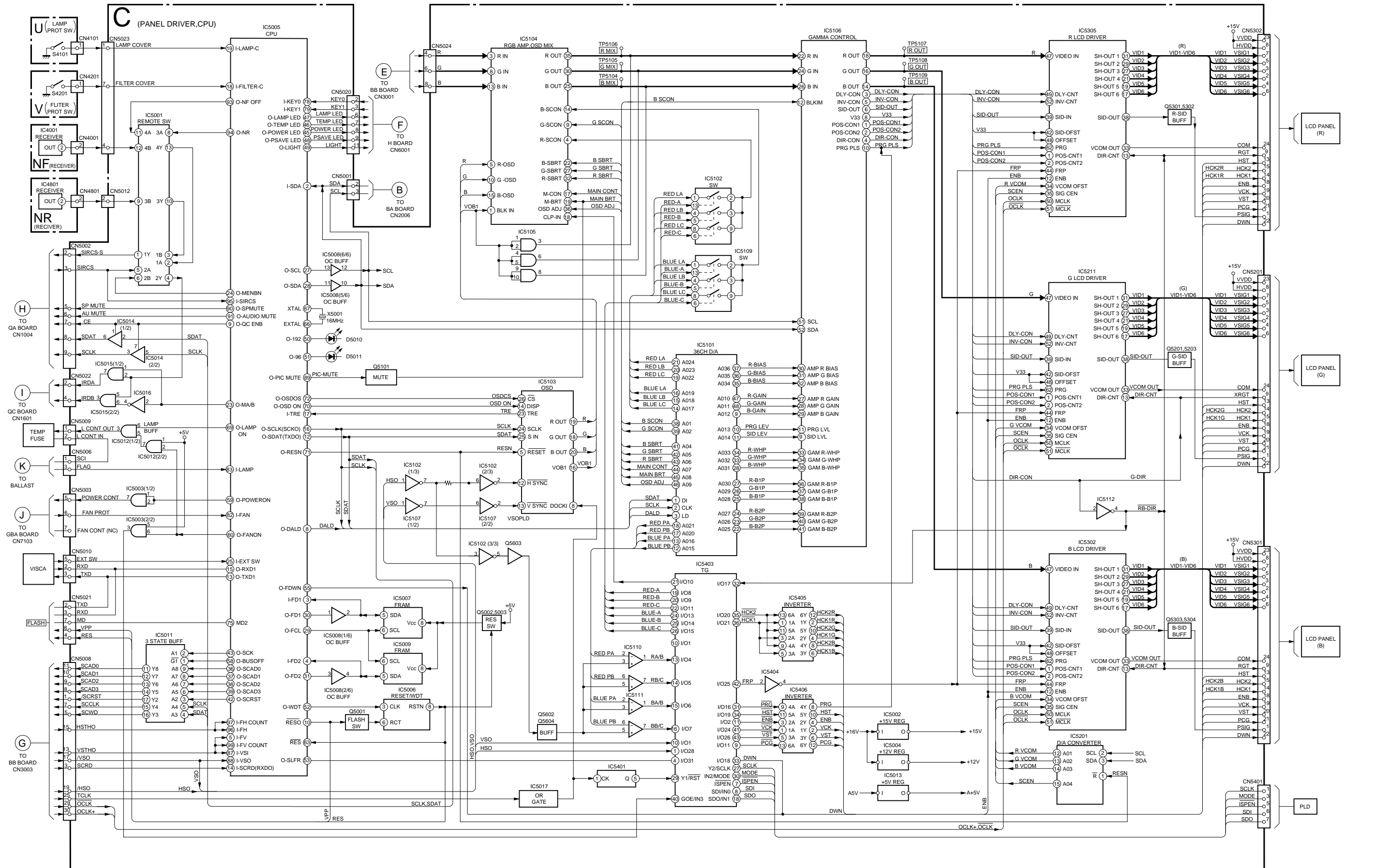
7-2. BB BOARD BLOCK DIAGRAM (1/2)



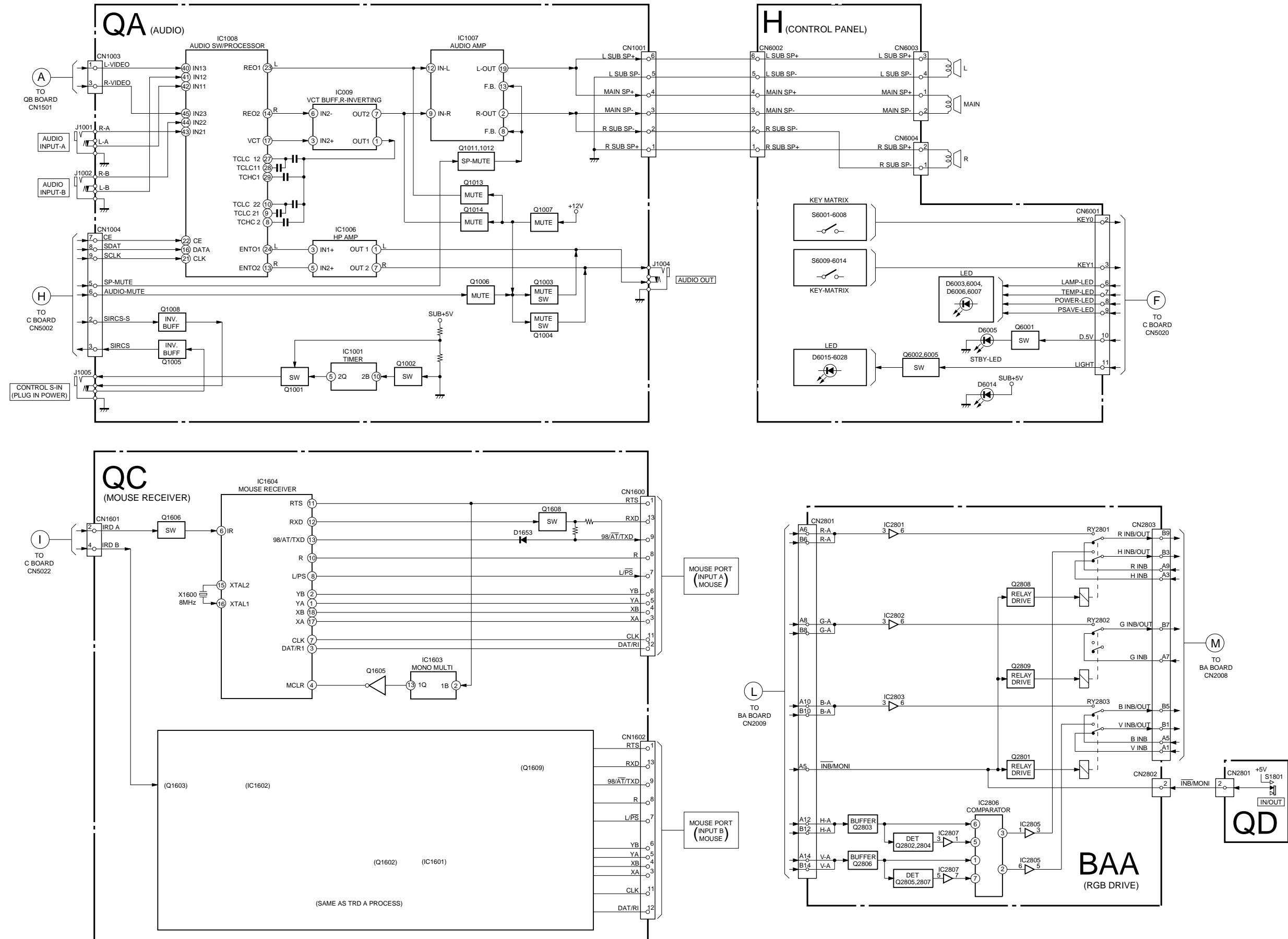
7-3. BB BOARD BLOCK DIAGRAM (2/2)



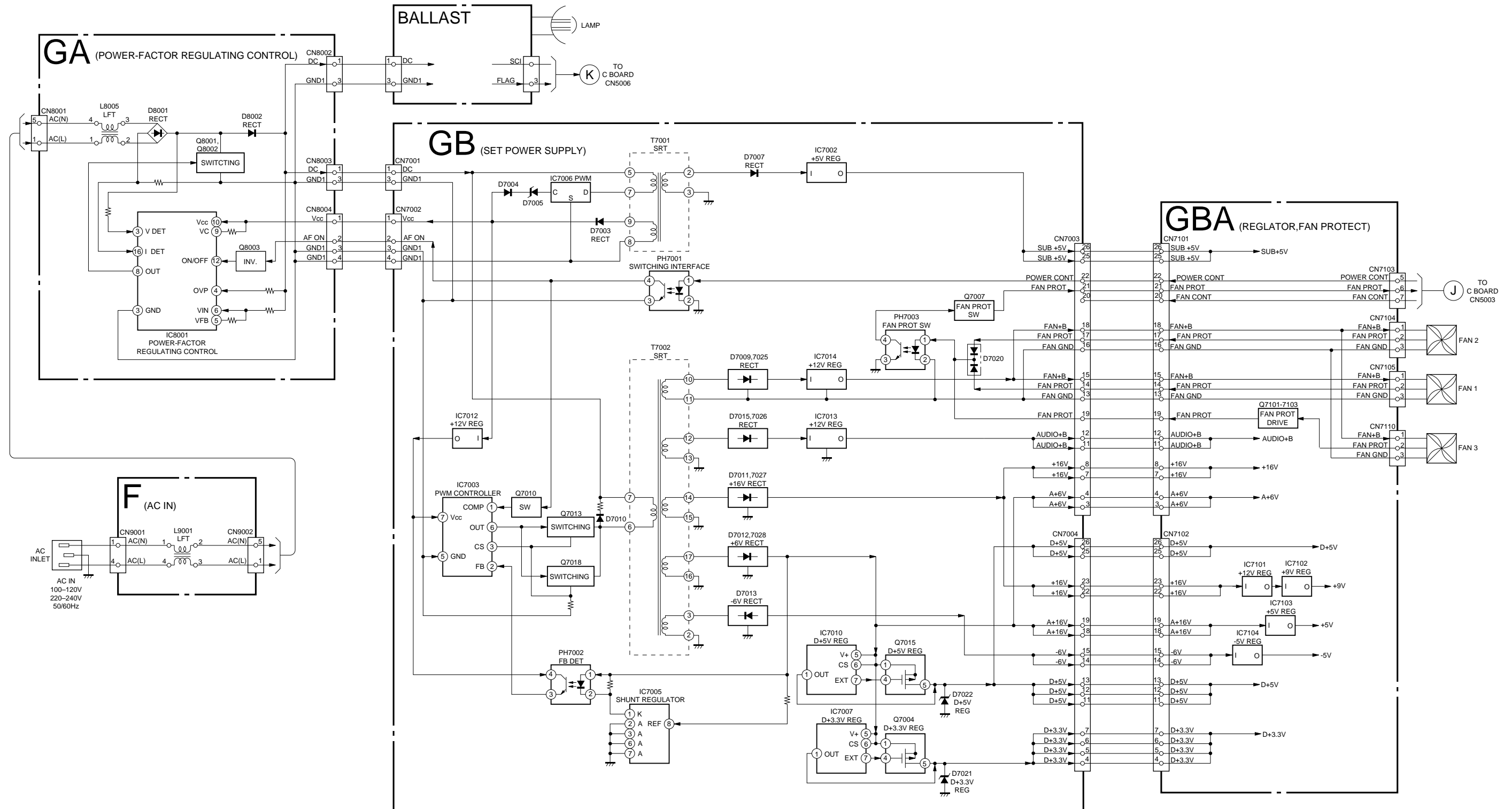
7-4. C, NF, NR, U and V BOARD BLOCK DIAGRAM



7-5. BAA, H, QA and QC BOARD BLOCK DIAGRAM



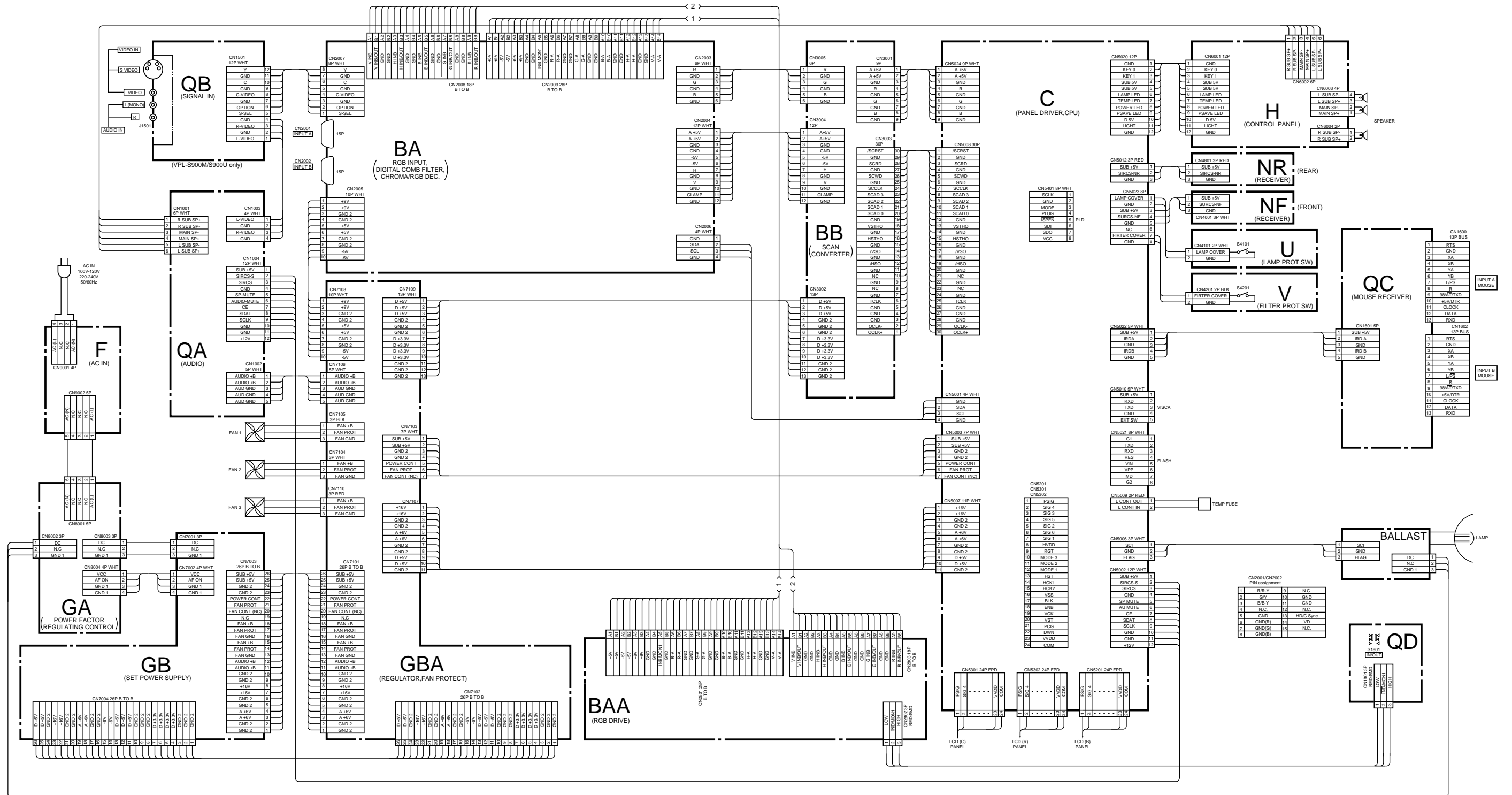
7-6. F, GA, GB and GBA BOARD BLOCK DIAGRAM



SECTION 8

DIAGRAMS









8-1. FRAME SCHEMATIC DIAGRAM




8-2. SCHEMATIC DIAGRAMS/PRINTED WIRING BOARDS


- Note:**
- All capacitors are in μF unless otherwise noted. pF: μF 50WV or less are not indicated except for electrolytics.
 - Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch: 5 mm
Rating electrical power 1/4W

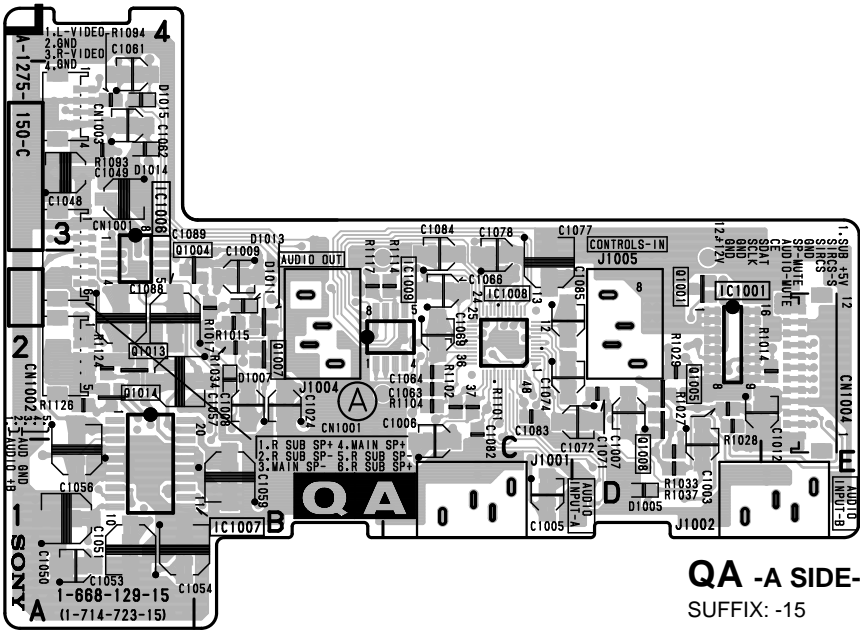
- All resistors are in ohms. (1M: 1000k Ω , 1k: 1000 Ω)
-  : nonflammable resistor.
- Chip resistor are 1/10W unless otherwise noted.
-  : fusible resistor.
- Δ : internal component.
-  : panel designation and adjustment repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- METAL CHIP (:RN, :RN-CP) resistor in 1%, 0.5%, 1/4W unless otherwise specified.
- The components identified by  in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
- When replacing components identified by  , make the necessary adjustments indicated, If results do not meet the specified value change the component identified by  and repeat the adjustment until the specified value is achieved. (Refer to page 4-1 and 4-2.)
- All voltages are in V.
- Reading are taken with Component color-bar signal (R.G.B SYNC) input.
- Voltage are dc with respect to ground unless otherwise noted.
- no mark : 14G1/14G5 series and comon
() : 20G1 series
- Voltage variation may be noted due to normal production tolerancd.
-  : B+, B- line
-  : signal path
- Circled numbers are waveforms reference.

| Reference information | | |
|-----------------------|---------|--------------------------|
| RESISTOR | : RN | METAL FILM |
| | : RC | SOLID |
| | : FPRD | NONFLAMMABLE CARBON |
| | : FUSE | NONFLAMMABLE FUSIBLE |
| | : RW | NONFLAMMABLE WIREWOUND |
| | : RS | NONFLAMMABLE METAL OXIDE |
| | : RB | NONFLAMMABLE CEMENT |
| | : LF-8L | MICRO INDUCTOR |
| COIL | : TA | TANTALUM |
| | : PS | STYROL |
| CAPACITOR | : PP | POLYPROPYLENE |
| | : PT | MYLAR |
| | : MPS | METALIZED POLYESTER |
| | : MPP | METALIZED POLYPROPYLENE |
| | : ALB | BIPOLAR |
| | : ALT | HIGH TEMPERATURE |
| | : ALR | HIGH RIPPLE |

The components identified marked  are critical for safety.
Replace only with the part number specified.

Les composants identifiés par une marque  sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

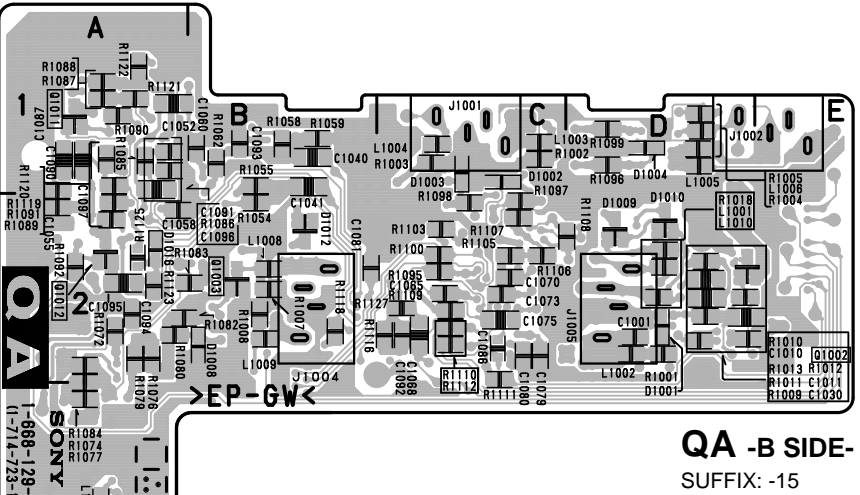
QA BOARD



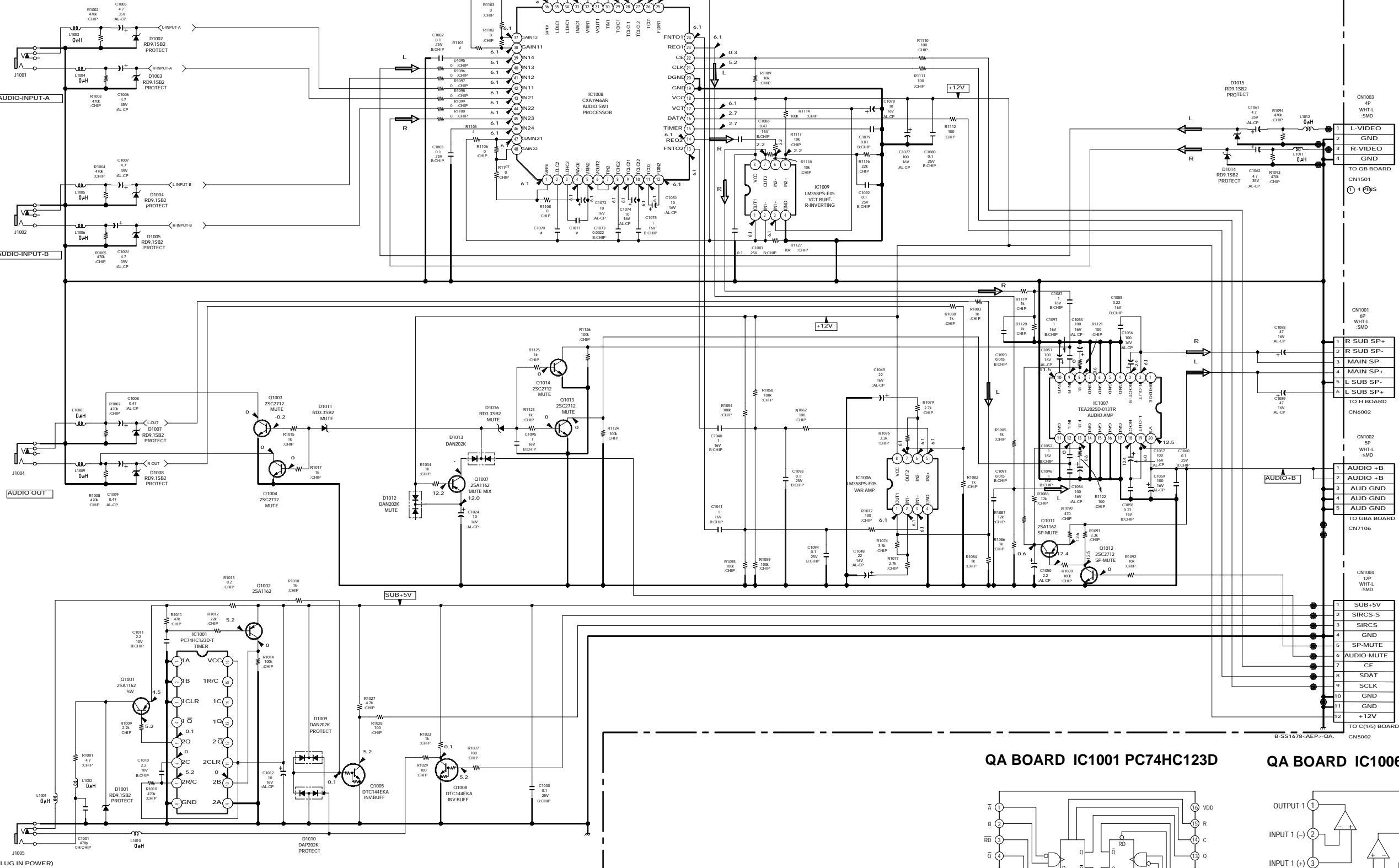
QA BOARD

*: B SIDE

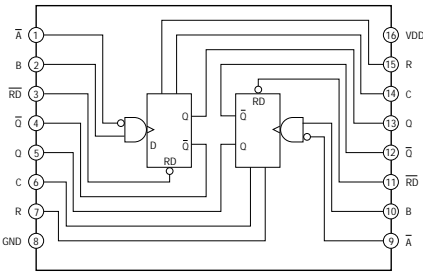
| | |
|--------|-----|
| *D1001 | D-2 |
| *D1002 | C-1 |
| *D1003 | C-1 |
| *D1004 | D-1 |
| D1005 | D-1 |
| D1007 | B-2 |
| *D1008 | B-2 |
| *D1009 | D-2 |
| *D1010 | D-2 |
| D1011 | B-2 |
| *D1012 | B-2 |
| D1013 | B-2 |
| D1014 | A-3 |
| D1015 | A-3 |
| D1016 | A-2 |
| IC1001 | D-2 |
| IC1006 | A-2 |
| IC1007 | A-1 |
| IC1008 | C-2 |
| IC1009 | C-2 |
| Q1001 | D-2 |
| *Q1002 | D-2 |
| *Q1003 | B-2 |
| Q1004 | B-2 |
| Q1005 | D-2 |
| Q1007 | B-2 |
| Q1008 | D-2 |
| *Q1011 | A-1 |
| *Q1012 | A-2 |
| Q1013 | A-2 |
| Q1014 | A-2 |



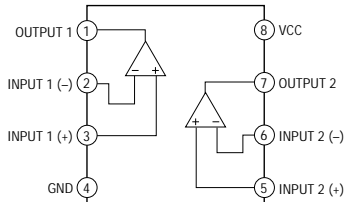
QA(AUDIO)



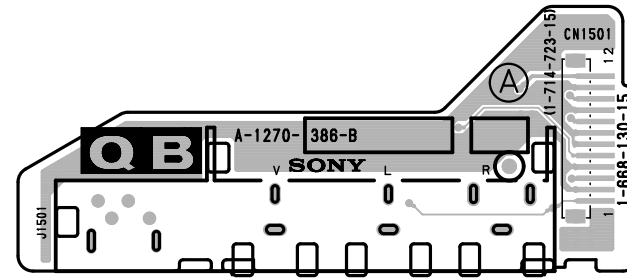
QA BOARD IC1001 PC74HC123D



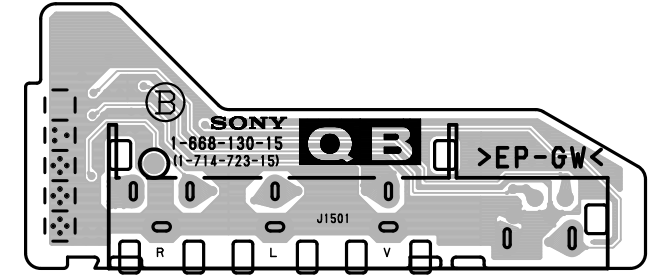
QA BOARD IC1006, 1009 LM358P



QB BOARD

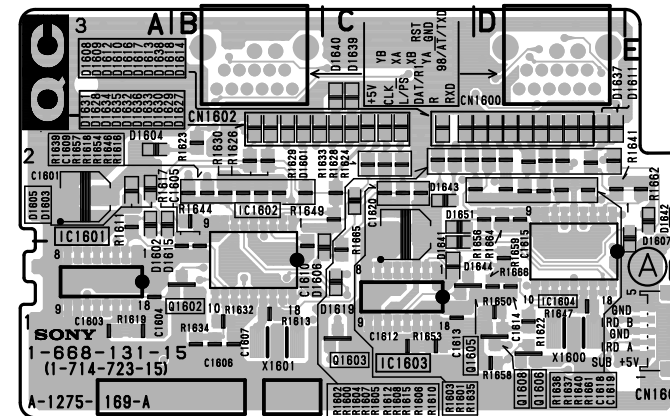


QB -A SIDE-
SUFFIX: -15

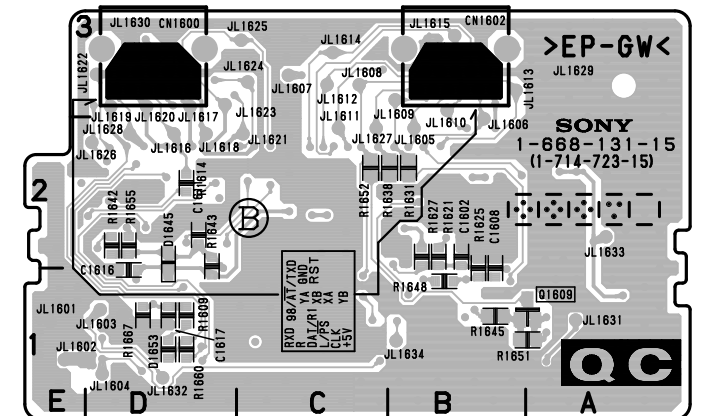


QB -B SIDE-
SUFFIX: -15

QC BOARD



QC -A SIDE-
SUFFIX: -15



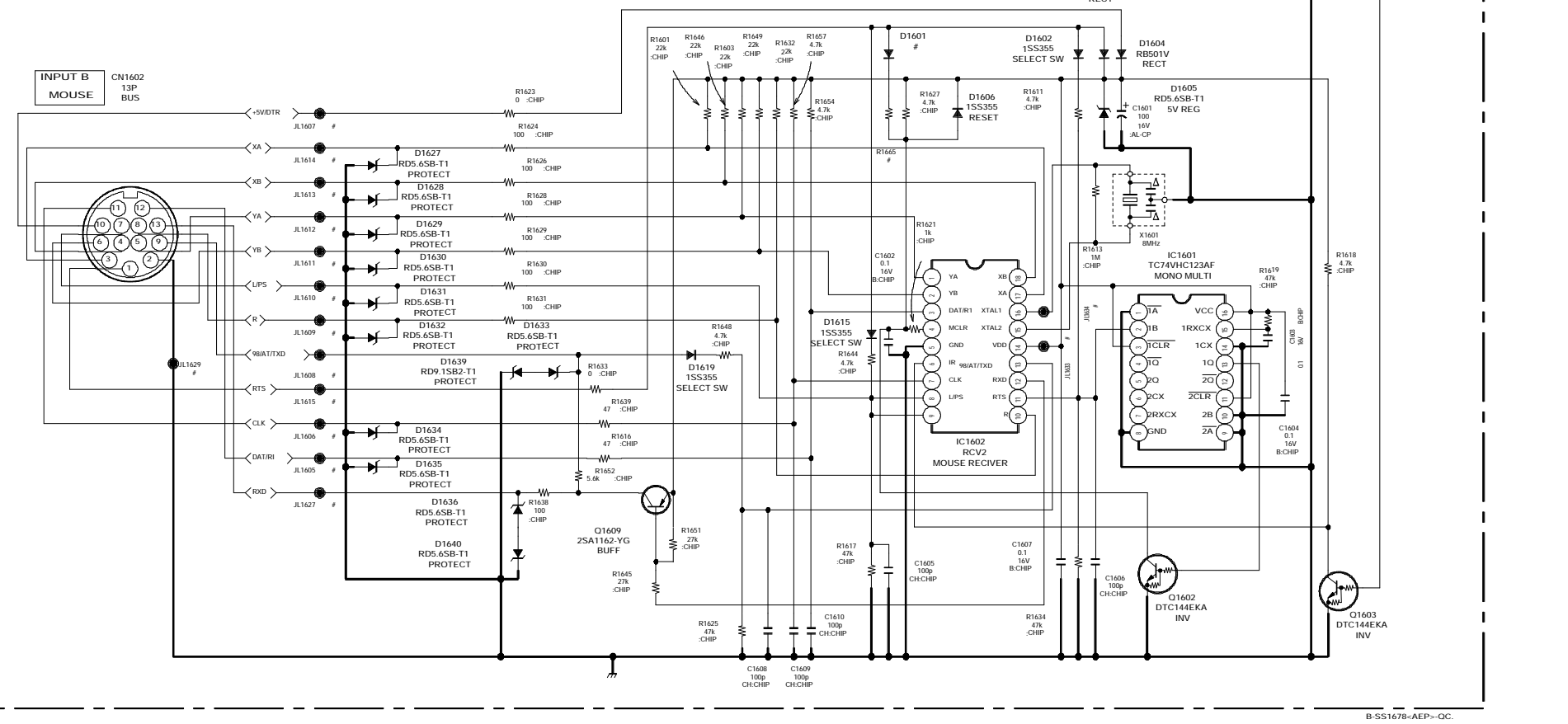
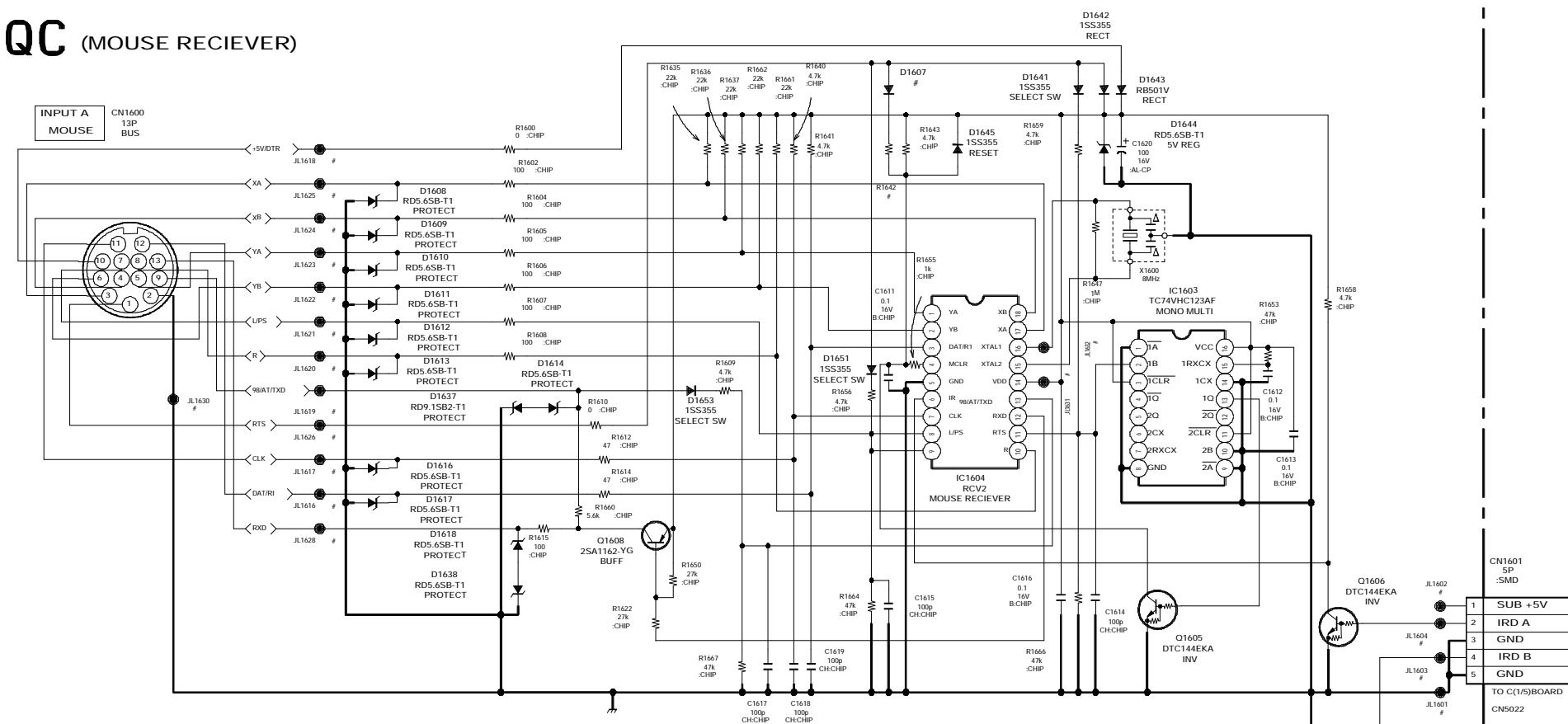
QC -B SIDE-
SUFFIX: -15

QC BOARD

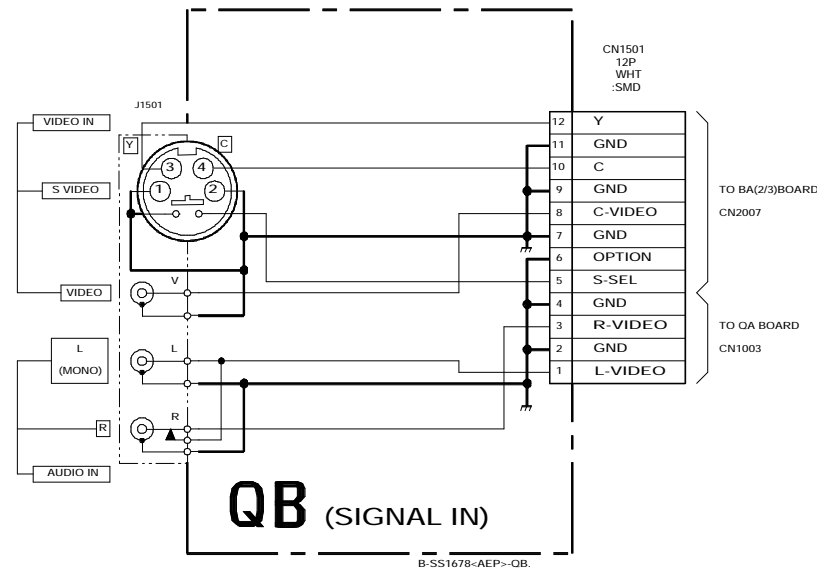
*: B SIDE

| | | | |
|-------|-----|--------|-----|
| D1602 | A-2 | D1635 | B-2 |
| D1603 | A-2 | D1636 | C-2 |
| D1604 | A-2 | D1637 | D-2 |
| D1605 | A-2 | D1638 | D-2 |
| D1606 | C-2 | D1639 | C-3 |
| C1608 | C-1 | D1640 | C-3 |
| D1609 | C-2 | D1641 | C-2 |
| D1610 | D-2 | D1642 | E-2 |
| D1611 | D-2 | D1643 | C-2 |
| D1612 | D-2 | D1644 | C-1 |
| D1613 | D-2 | *D1645 | D-2 |
| D1614 | D-2 | D1651 | C-2 |
| D1615 | A-2 | D1653 | C-2 |
| D1616 | D-2 | | |
| D1617 | D-2 | IC1601 | A-1 |
| D1618 | D-2 | IC1602 | B-1 |
| D1619 | C-1 | IC1603 | C-1 |
| D1627 | C-2 | IC1604 | D-1 |
| D1628 | B-2 | | |
| D1629 | C-2 | Q1602 | B-1 |
| D1630 | C-2 | Q1603 | C-1 |
| D1631 | B-2 | Q1605 | C-1 |
| D1632 | C-2 | Q1606 | D-1 |
| D1633 | C-2 | Q1608 | D-1 |
| D1634 | B-2 | *Q1609 | A-1 |

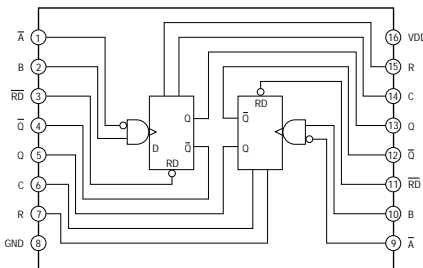
QC (MOUSE RECIEVER)



QB (SIGNAL IN)



QC BOARD IC1601, 1603 TC74VHC123AF

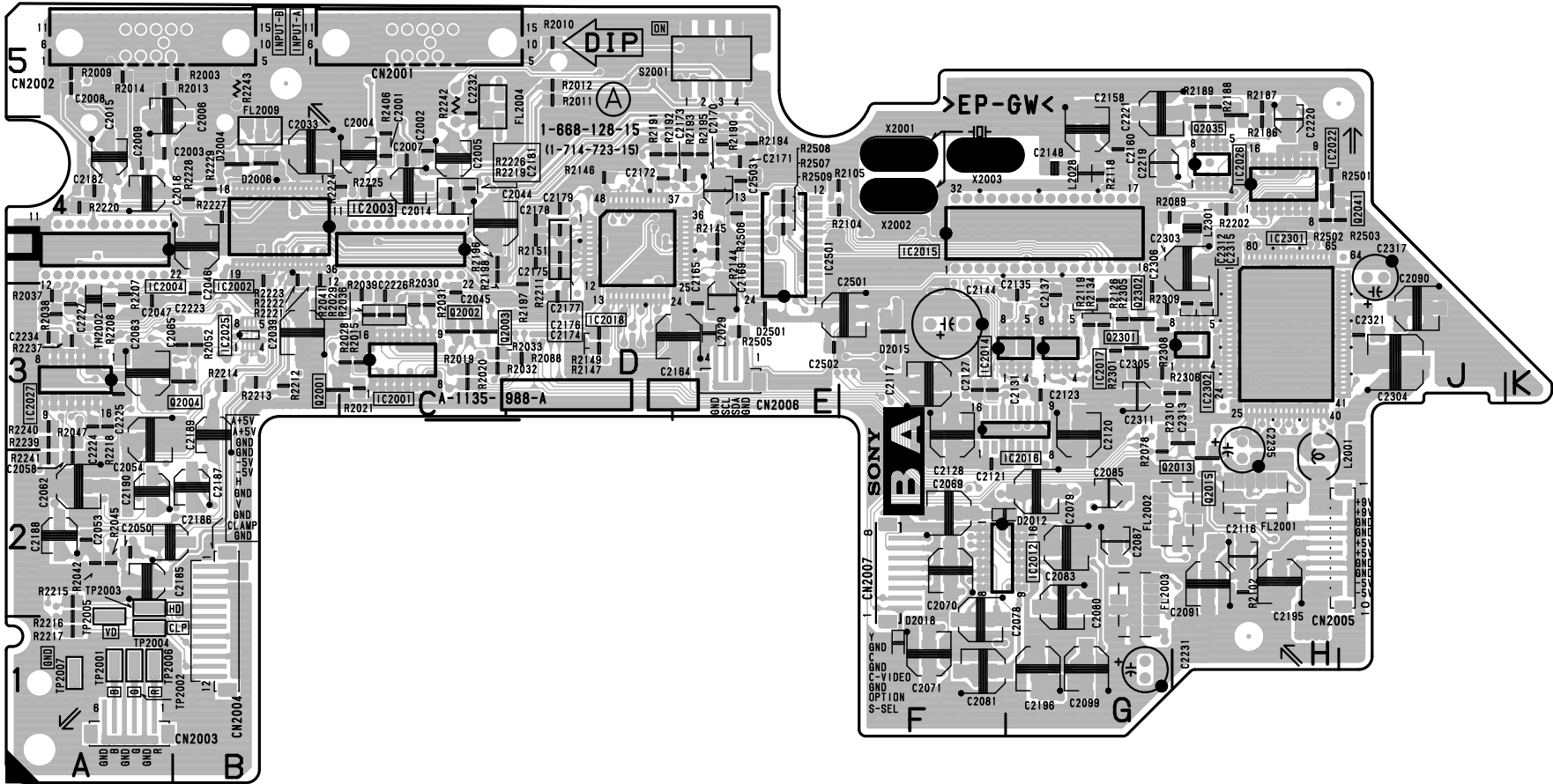


BA BOARD

BA BOARD

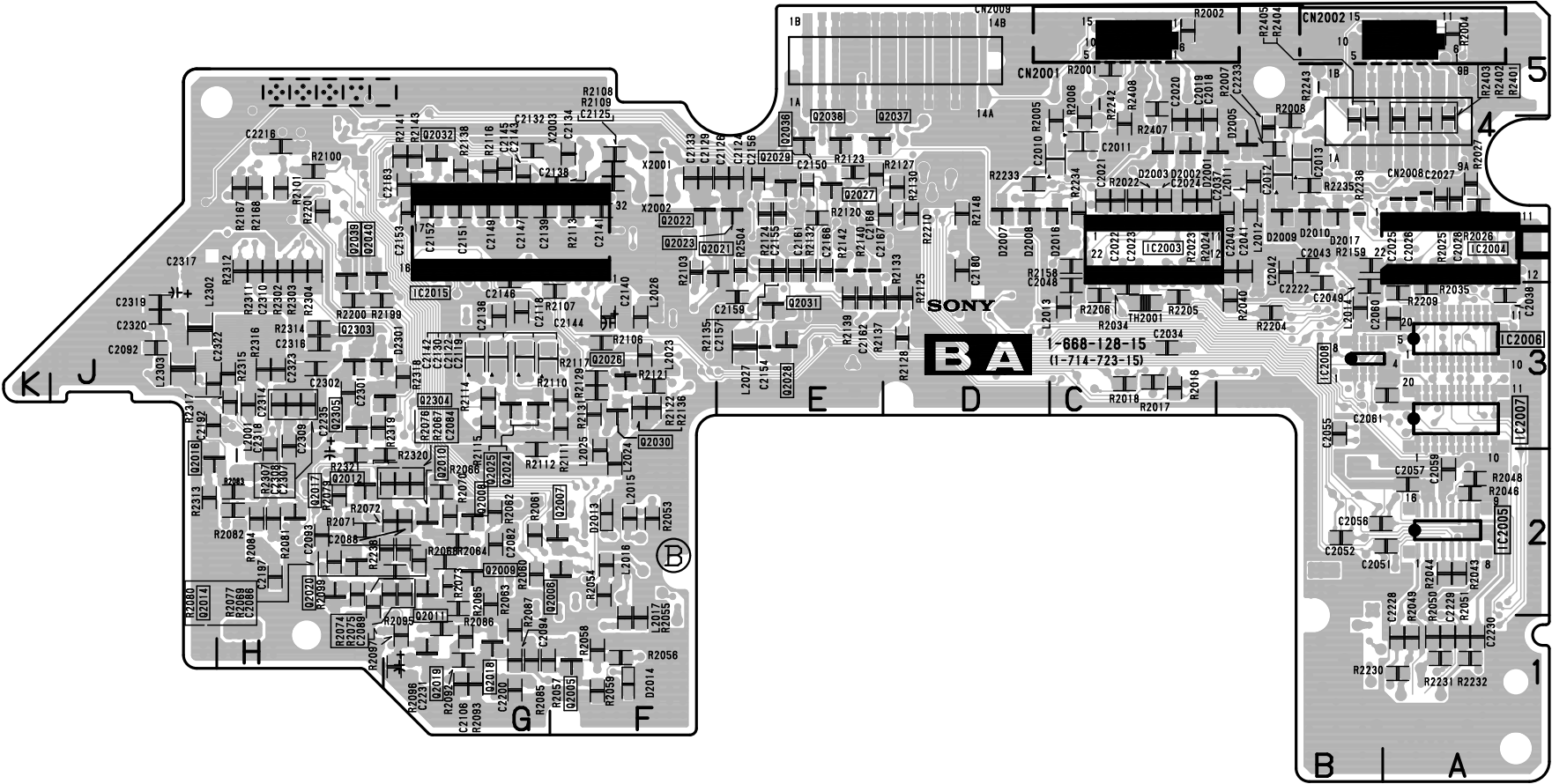
*: B SIDE

| | | | |
|---------|-----|--------|-----|
| *D2001 | C-4 | *Q2006 | F-2 |
| *D2002 | C-4 | *Q2007 | F-2 |
| *D2003 | C-4 | *Q2008 | G-2 |
| D2004 | B-4 | *Q2009 | G-2 |
| *D2005 | B-4 | *Q2010 | G-2 |
| D2006 | B-4 | *Q2011 | G-2 |
| *D2007 | D-4 | *Q2012 | H-2 |
| *D2008 | D-4 | Q2013 | H-3 |
| *D2009 | B-4 | *Q2014 | H-2 |
| *D2010 | B-4 | Q2015 | H-2 |
| D2012 | F-2 | *Q2016 | J-2 |
| *D2013 | F-2 | *Q2017 | H-2 |
| *D2014 | F-1 | *Q2018 | G-1 |
| D2015 | F-3 | *Q2019 | G-1 |
| *D2016 | C-4 | *Q2020 | H-2 |
| *D2017 | B-4 | *Q2021 | E-3 |
| D2018 | F-1 | *Q2022 | F-4 |
| *D2301 | H-3 | *Q2023 | E-3 |
| D2501 | E-3 | *Q2024 | G-3 |
| | | *Q2025 | G-3 |
| IC2001 | C-3 | *Q2026 | F-3 |
| IC2002 | B-4 | *Q2027 | E-4 |
| IC2003 | C-4 | *Q2028 | E-3 |
| IC2004 | A-4 | *Q2029 | E-4 |
| *IC2005 | A-2 | *Q2030 | F-3 |
| *IC2006 | A-3 | *Q2031 | E-3 |
| *IC2007 | A-3 | *Q2032 | G-4 |
| *IC2008 | B-3 | Q2035 | H-5 |
| IC2012 | F-2 | *Q2036 | E-4 |
| IC2014 | G-3 | *Q2037 | E-4 |
| IC2015 | G-4 | *Q2038 | E-4 |
| IC2016 | G-3 | *Q2039 | H-4 |
| IC2017 | G-3 | *Q2040 | H-4 |
| IC2018 | C-4 | Q2041 | H-4 |
| IC2022 | H-4 | Q2301 | G-3 |
| IC2025 | B-3 | Q2302 | G-3 |
| IC2026 | H-4 | *Q2303 | H-3 |
| IC2027 | A-3 | *Q2304 | G-3 |
| IC2301 | H-3 | *Q2305 | H-3 |
| IC2302 | H-3 | | |
| IC2501 | E-4 | TP2001 | A-1 |
| | | TP2002 | A-1 |
| | | TP2003 | A-2 |
| Q2001 | B-3 | TP2004 | A-1 |
| Q2002 | C-3 | TP2005 | A-2 |
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| Q2004 | B-3 | TP2007 | A-1 |
| *Q2005 | F-1 | | |



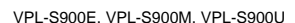
BA -A SIDE-
SUFFIX: -15

BA BOARD



BA -B SIDE-
SUFFIX: -15

- Refer to page 8-6, 7 for PRINTED WIRING BOARD
- Refer to page 8-11 for WAVEFORMS
- Refer to page 8-11, 12 for IC BLOCK DIAGRAMS

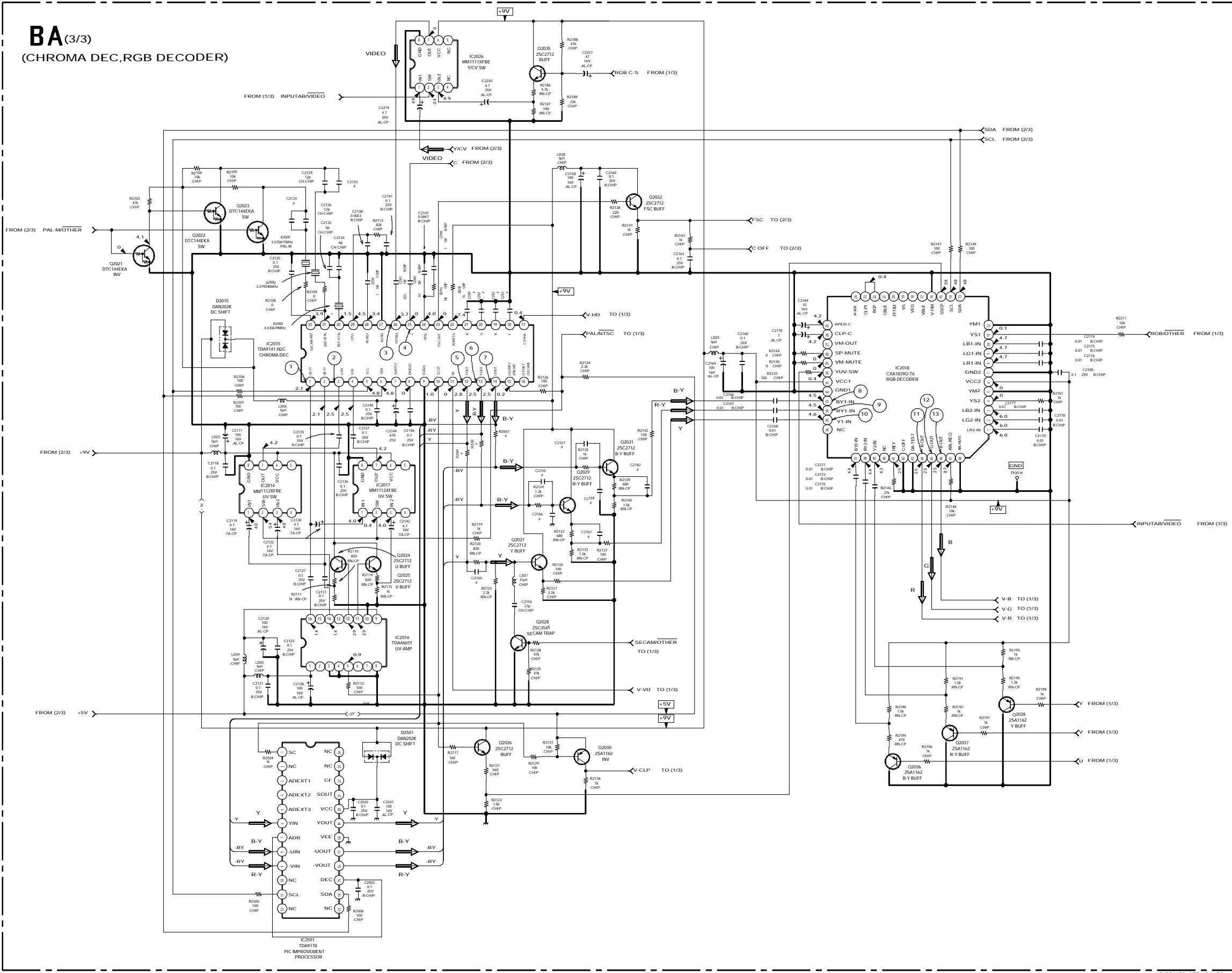


- Refer to page 8-6, 7 for PRINTED WIRING BOARD
- Refer to page 8-11 for WAVEFORMS
- Refer to page 8-11, 12 for IC BLOCK DIAGRAMS

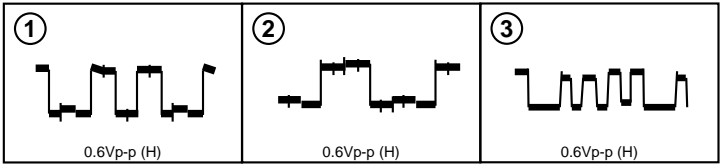


• Refer to page 8-6, 7 for PRINTED WIRING BOARD • Refer to page 8-11, 12 for IC BLOCK DIAGRAMS

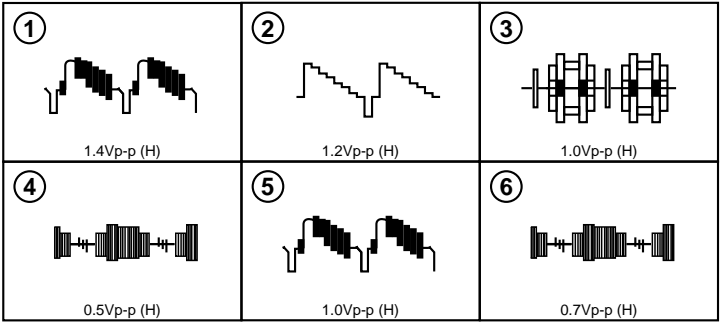
BA (3/3)
(CHROMA DEC, RGB DECODER)



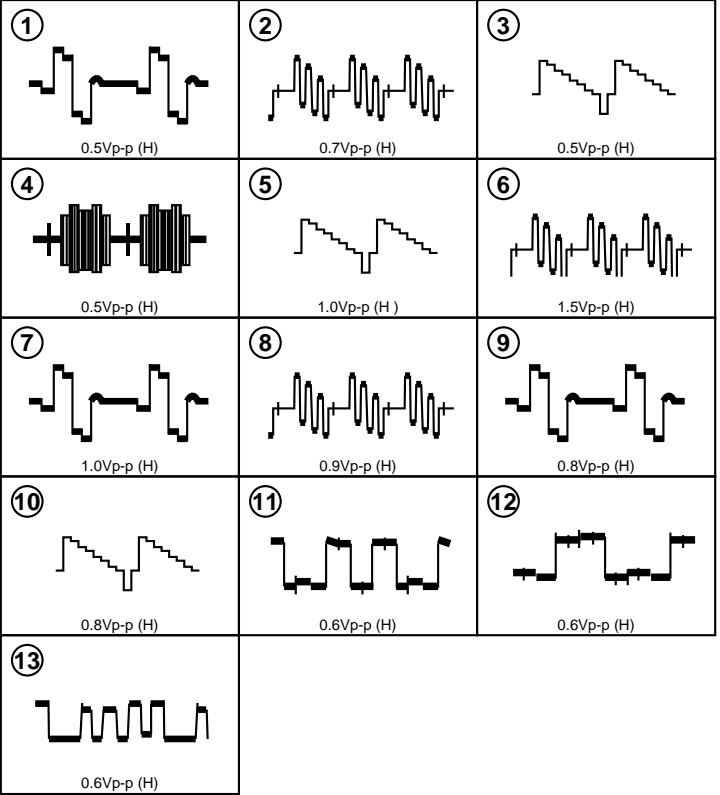
BA BOARD WAVEFORMS (1/3)



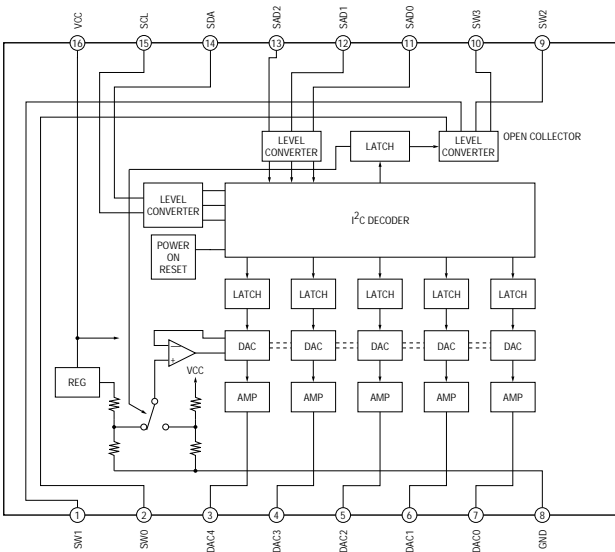
BA BOARD WAVEFORMS (2/3)



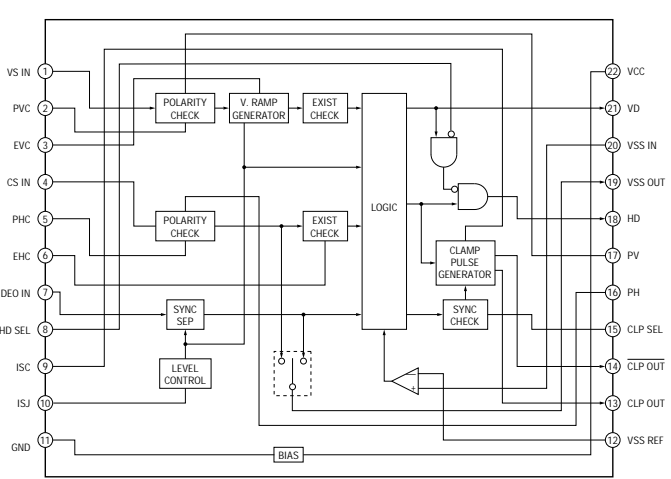
BA BOARD WAVEFORMS (3/3)



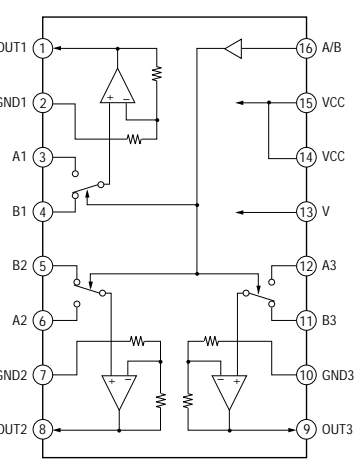
BA BOARD IC2001, 2022 CXA1875AX



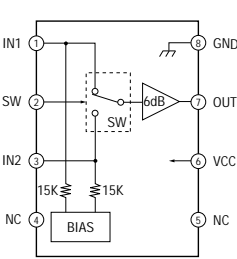
BA BOARD IC2003, 2004 CXA2016S



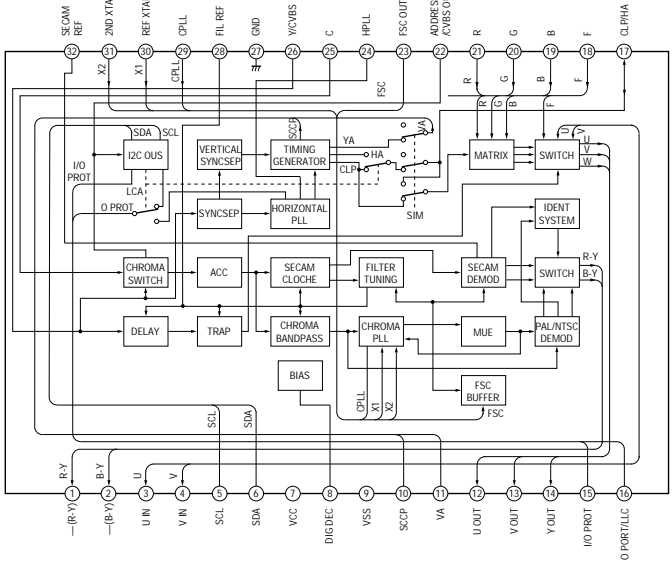
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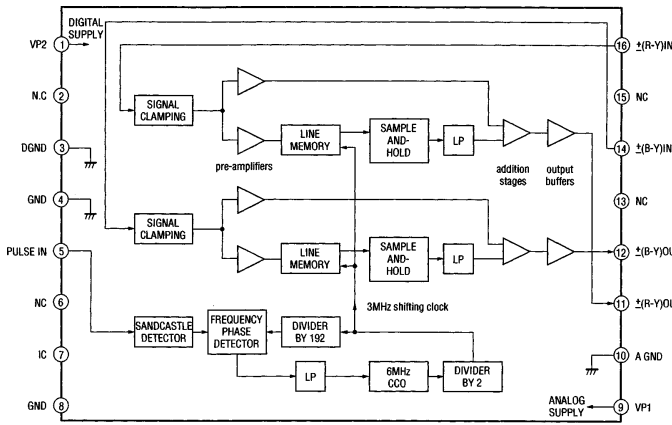
BA BOARD IC2014, 2017 MM1112XFBE



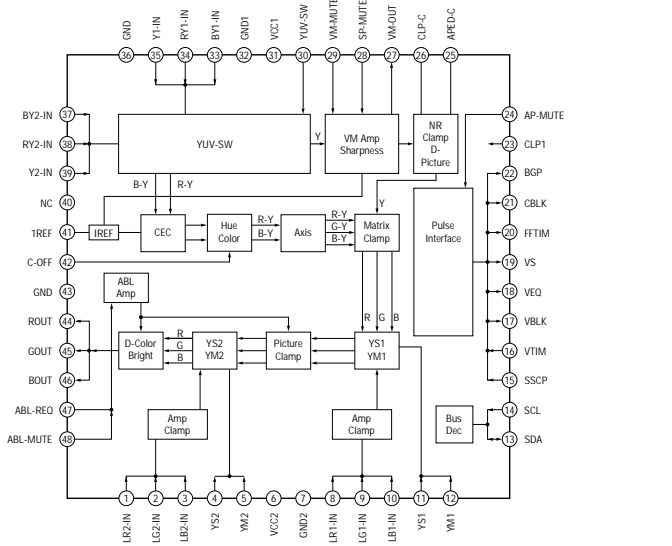
BA BOARD IC2015 TDA9141-N2C



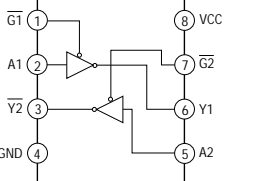
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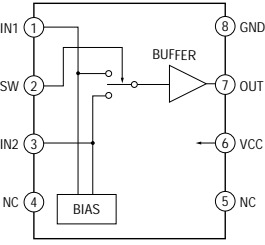
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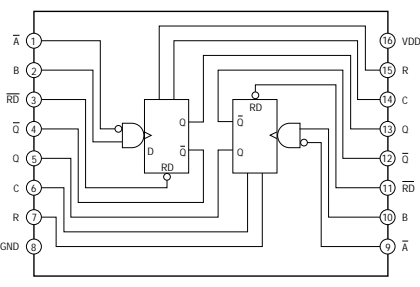
BA BOARD IC2025 TC7W240FU



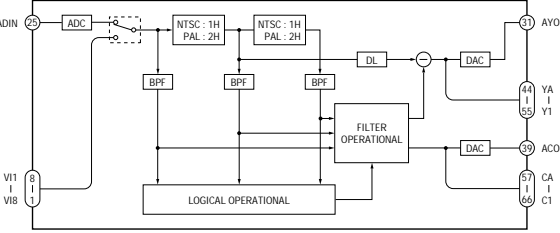
BA BOARD IC2026 MM1111XFBE



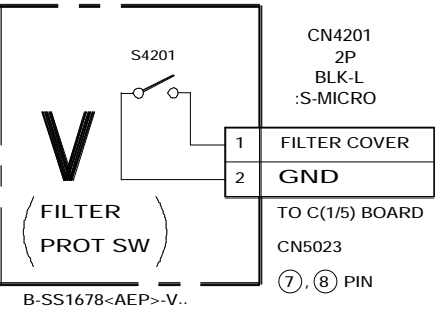
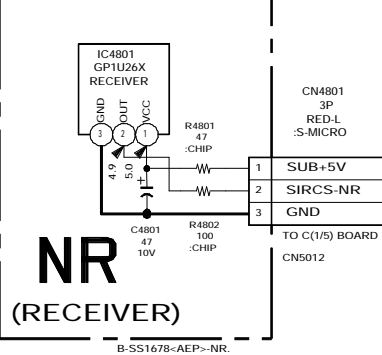
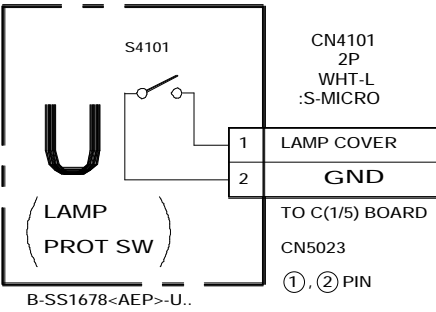
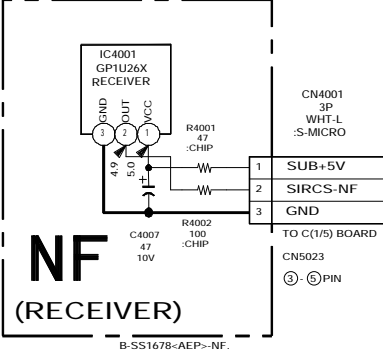
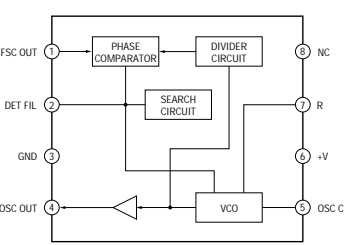
BA BOARD IC2027 TC74VHC123AF



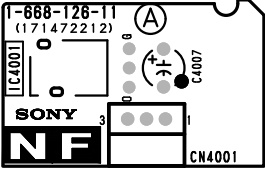
BA BOARD IC2301 CXD2024AQ



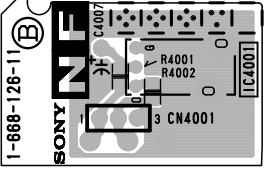
BA BOARD IC2302 NJM2240M



NF BOARD

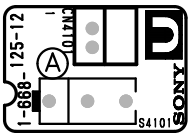


NF -A SIDE- SUFFIX: -11

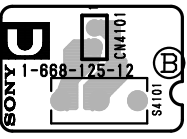


NF -B SIDE- SUFFIX: -11

U BOARD

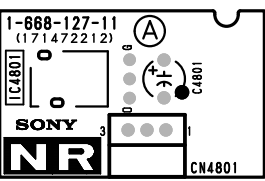


U -A SIDE- SUFFIX: -12

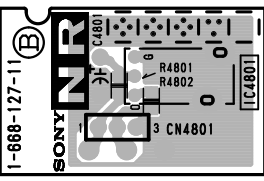


U -B SIDE- SUFFIX: -12

NR BOARD

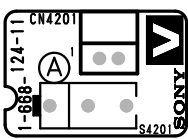


NR -A SIDE- SUFFIX: -11

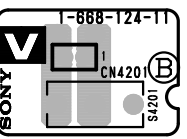


NR -B SIDE- SUFFIX: -11

V BOARD

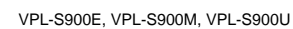


V -A SIDE- SUFFIX: -11

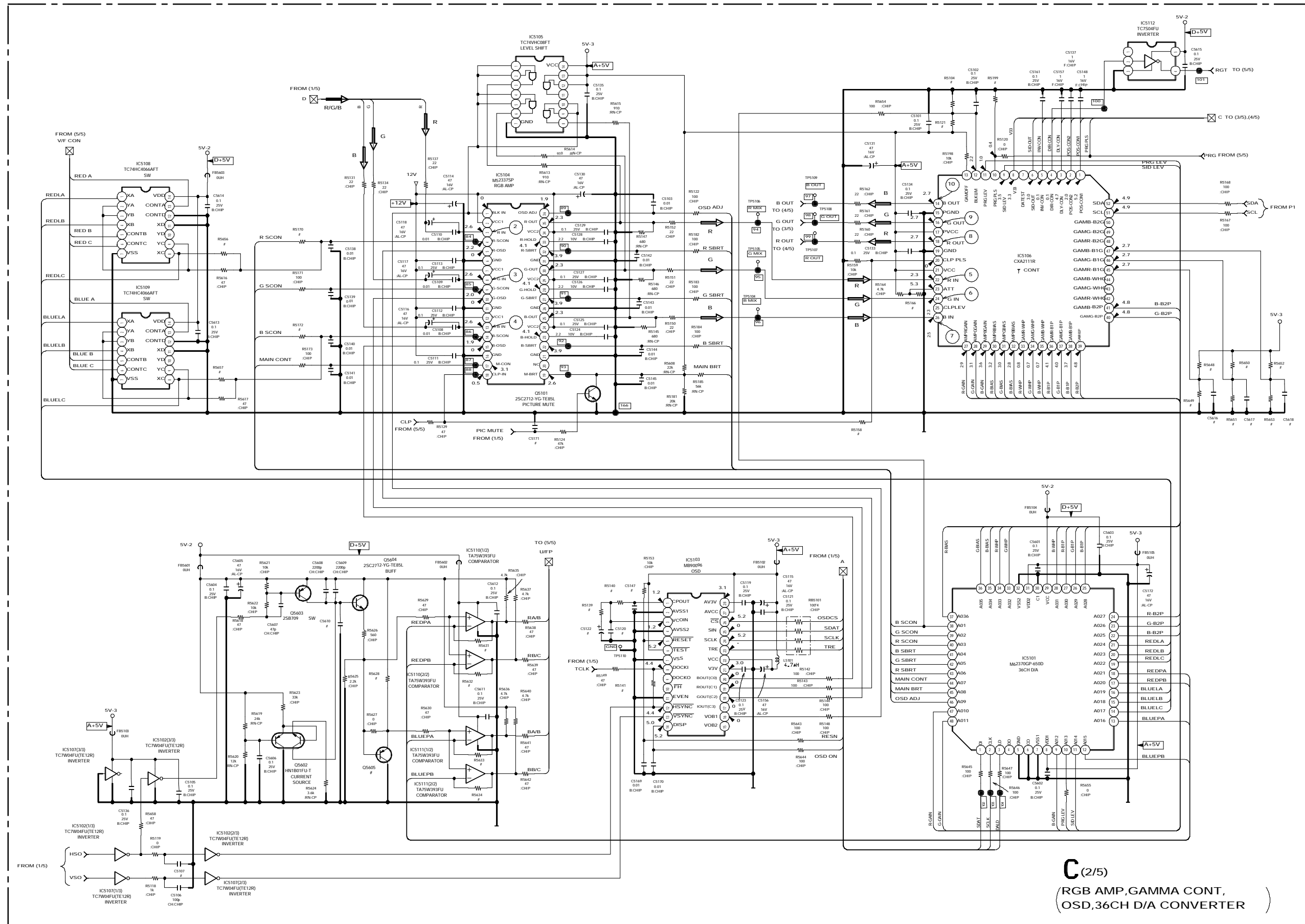


V -B SIDE- SUFFIX: -11

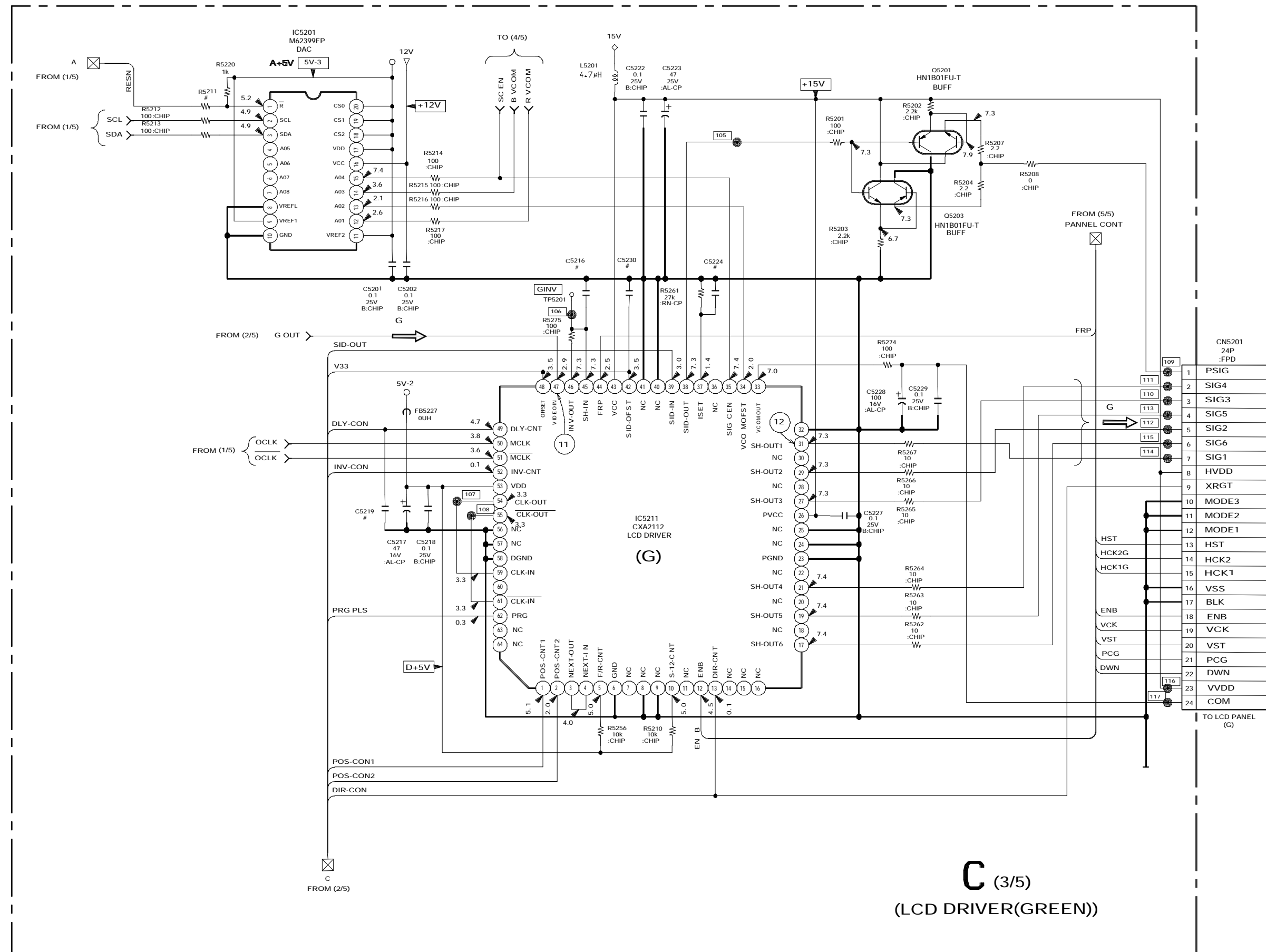
- Refer to page 8-20 for IC BLOCK DIAGRAMS



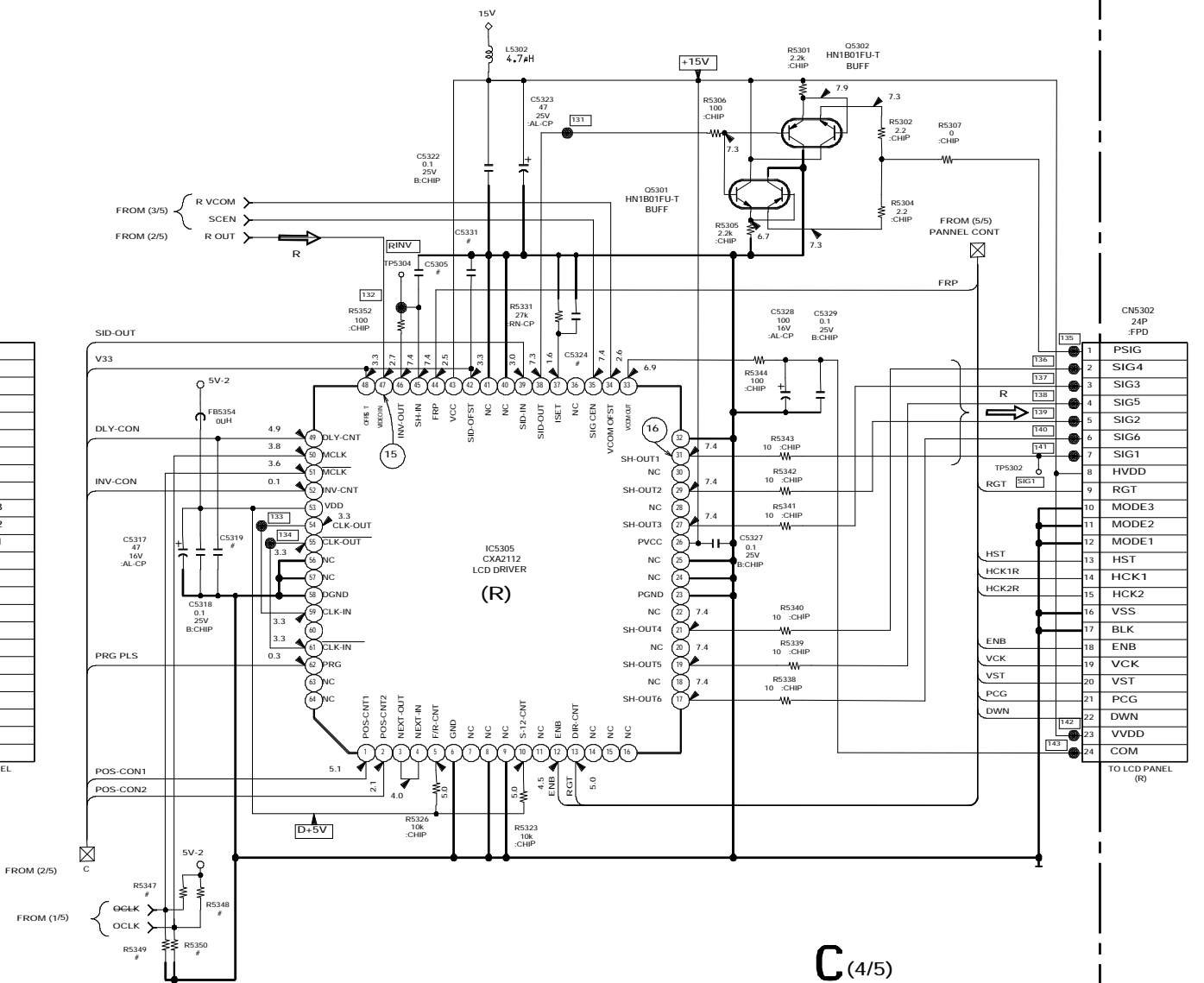
- Refer to page 8-18, 19 for PRINTED WIRING BOARD
- Refer to page 8-19 for WAVEFORMS
- Refer to page 8-20 for IC BLOCK DIAGRAMS



- Refer to page 8-18, 19 for PRINTED WIRING BOARD
- Refer to page 8-19 for WAVEFORMS
- Refer to page 8-20 for IC BLOCK DIAGRAMS



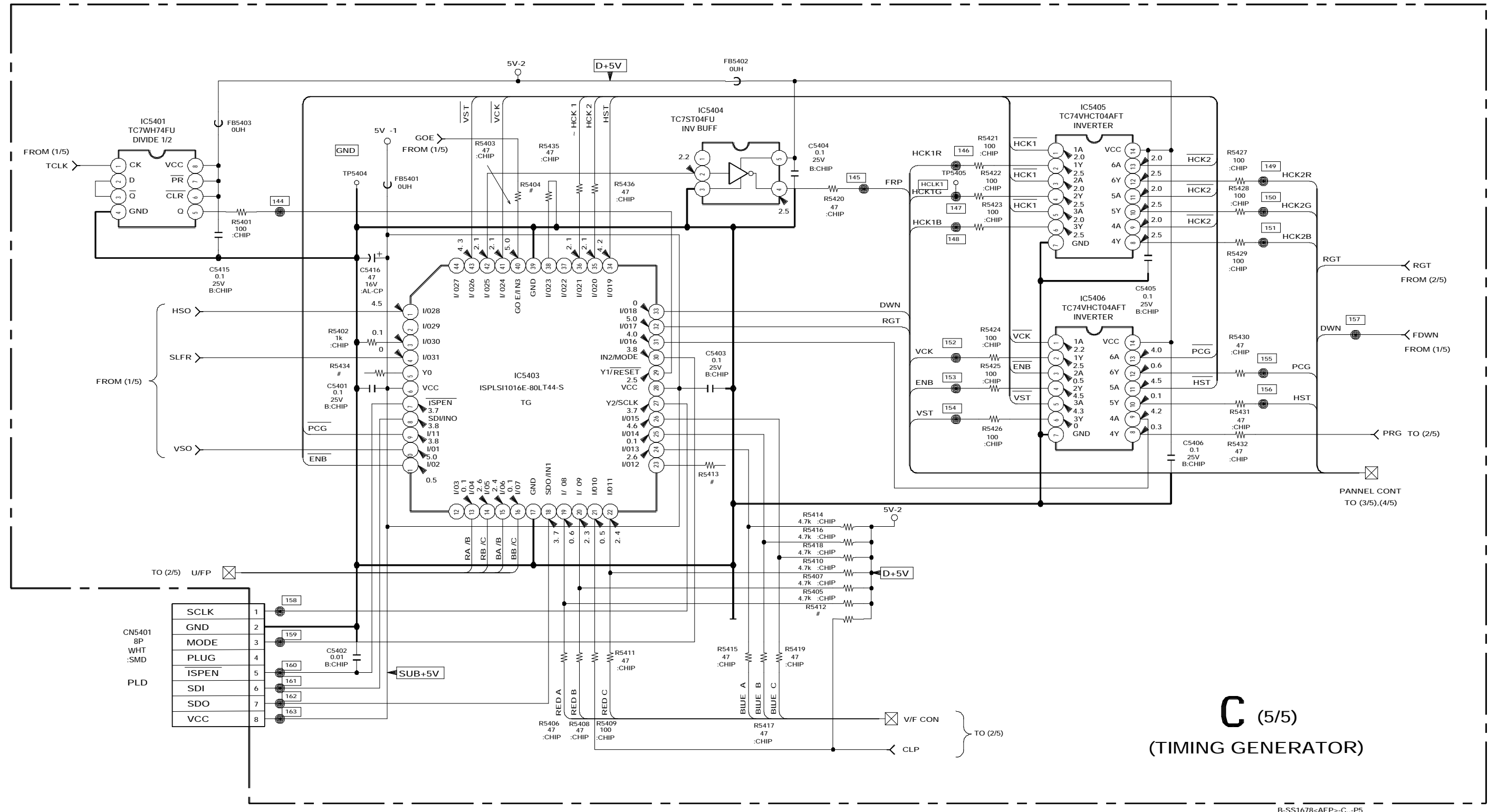
- Refer to page 8-19 for WAVEFORMS



C_(4/5)

B-SS1678<AEP>-C..-P4

- Refer to page 8-18, 19 for PRINTED WIRING BOARD
- Refer to page 8-20 for IC BLOCK DIAGRAMS

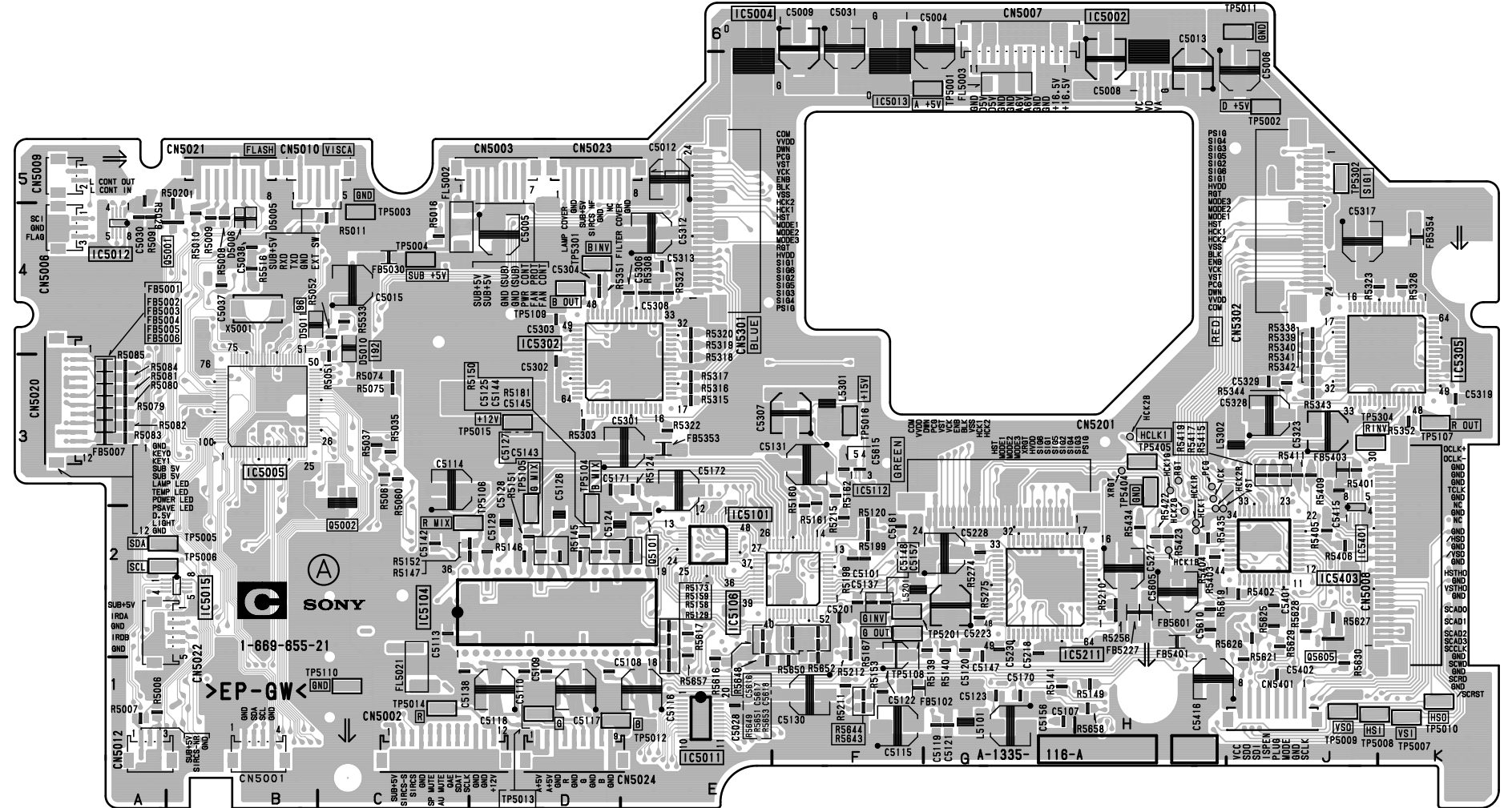


C BOARD

C BOARD

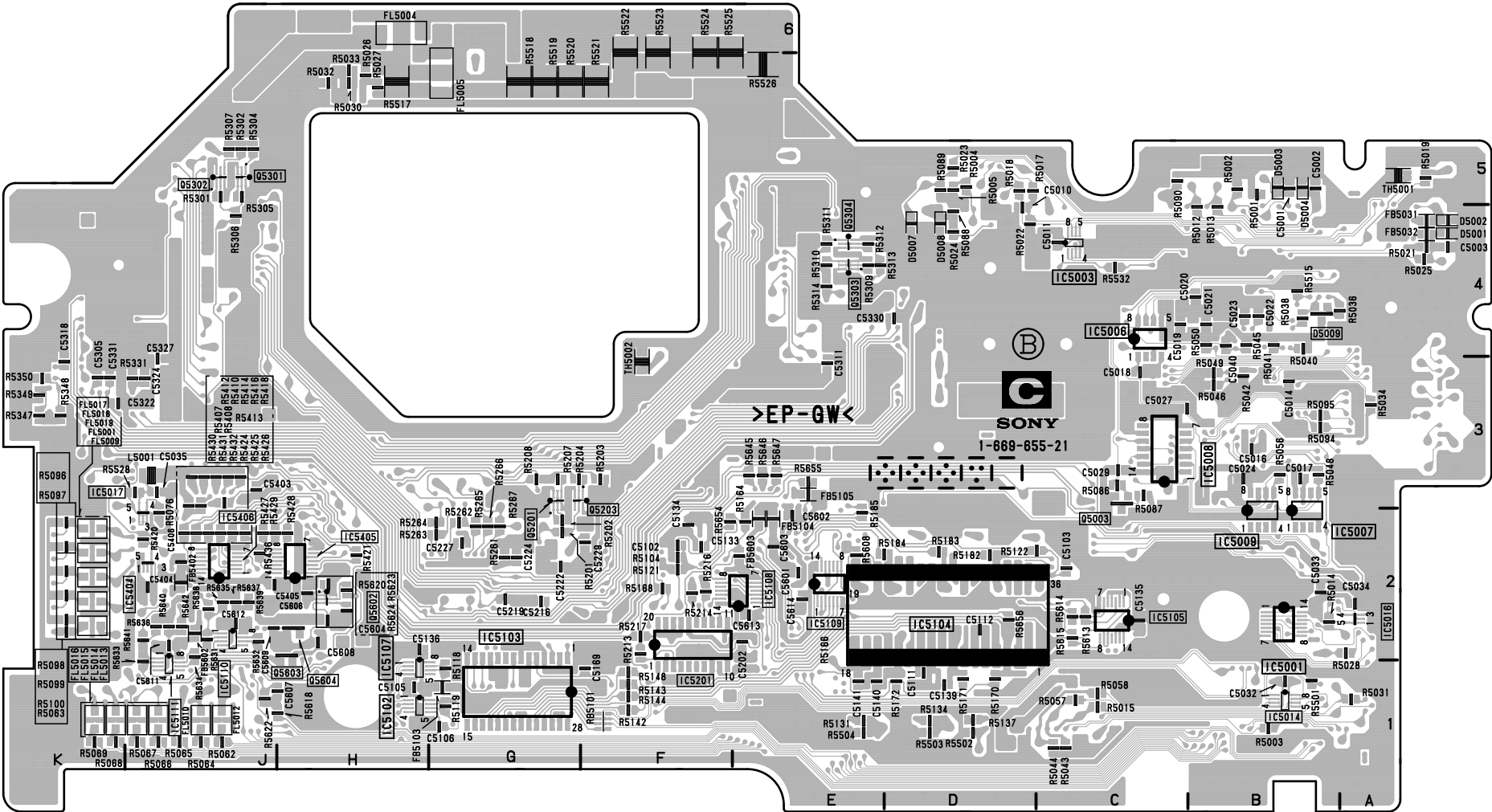
* : B SIDE

| | | | |
|----------|-----|---------|-----|
| * IC5001 | B-2 | * Q5602 | H-2 |
| IC5002 | H-5 | * Q5603 | H-2 |
| * IC5003 | C-4 | * Q5604 | H-2 |
| IC5004 | E-5 | | |
| IC5005 | B-3 | * D5001 | A-4 |
| * IC5006 | C-4 | * D5002 | A-4 |
| * IC5007 | B-2 | * D5003 | B-5 |
| * IC5008 | C-3 | * D5004 | B-5 |
| * IC5009 | B-2 | D5005 | B-4 |
| IC5011 | E-1 | D5006 | B-4 |
| IC5012 | A-4 | * D5007 | D-4 |
| IC5013 | F-5 | * D5008 | D-4 |
| * IC5014 | B-1 | * D5009 | B-4 |
| IC5015 | B-2 | D5010 | C-4 |
| * IC5016 | A-2 | D5011 | B-4 |
| * IC5017 | J-2 | | |
| IC5101 | E-2 | TP5001 | G-5 |
| * IC5102 | H-1 | TP5002 | J-5 |
| * IC5103 | G-1 | TP5003 | C-4 |
| * IC5104 | D-2 | TP5004 | C-4 |
| * IC5105 | C-2 | TP5009 | J-1 |
| * IC5106 | F-2 | TP5010 | K-1 |
| * IC5107 | H-1 | TP5011 | J-6 |
| * IC5108 | E-2 | TP5012 | D-1 |
| * IC5109 | E-2 | TP5013 | D-1 |
| * IC5110 | J-2 | TP5014 | C-1 |
| * IC5111 | J-1 | TP5015 | D-3 |
| * IC5112 | F-3 | TP5016 | F-3 |
| * IC5201 | F-2 | TP5104 | D-3 |
| IC5211 | G-2 | TP5105 | D-3 |
| IC5302 | D-4 | TP5106 | C-2 |
| IC5305 | K-4 | TP5107 | K-3 |
| IC5401 | J-2 | TP5108 | F-2 |
| IC5403 | J-2 | TP5109 | D-4 |
| * IC5404 | J-2 | TP5110 | C-1 |
| * IC5405 | H-2 | TP5201 | F-2 |
| * IC5406 | J-2 | TP5301 | D-4 |
| | | TP5302 | J-5 |
| | | TP5304 | J-3 |
| Q5001 | B-4 | TP5404 | H-3 |
| Q5002 | C-3 | TP5405 | H-3 |
| * Q5003 | C-3 | | |
| Q5101 | E-2 | | |
| * Q5201 | G-3 | | |
| * Q5203 | G-3 | | |
| * Q5301 | J-5 | | |
| * Q5302 | J-5 | | |
| * Q5303 | E-4 | | |
| * Q5304 | E-4 | | |



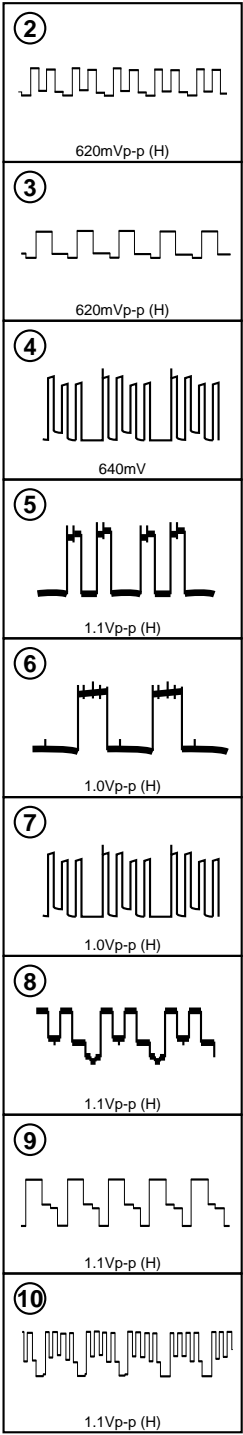
C -A SIDE-
SUFFIX: -21

C BOARD

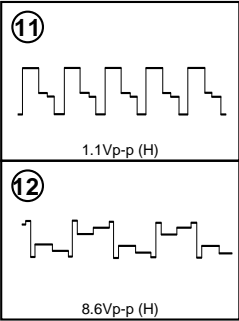


C -B SIDE-
SUFFIX: -21

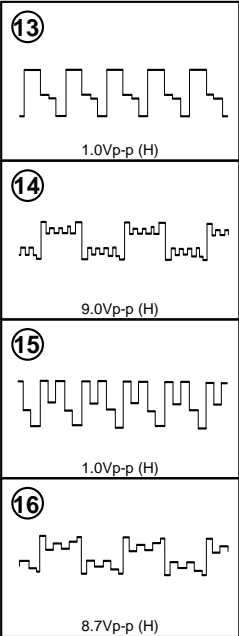
C BOARD
WAVEFORMS (2/5)



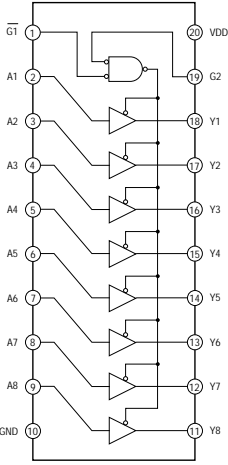
C BOARD
WAVEFORMS (3/5)



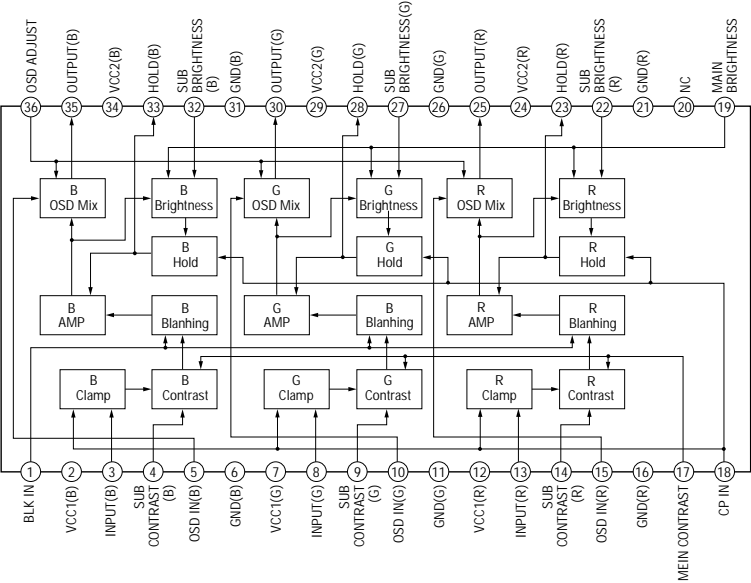
C BOARD
WAVEFORMS (4/5)



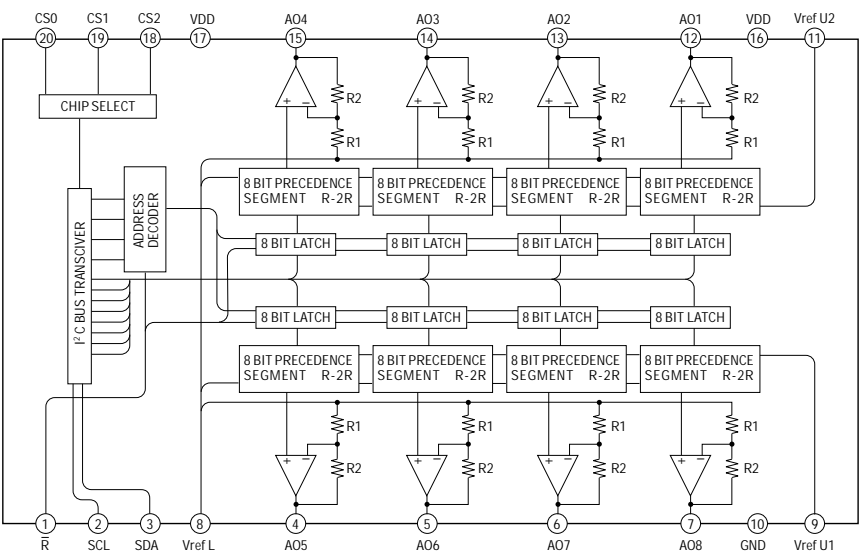
C BOARD (1/5) IC5011 TC74VHC541FT



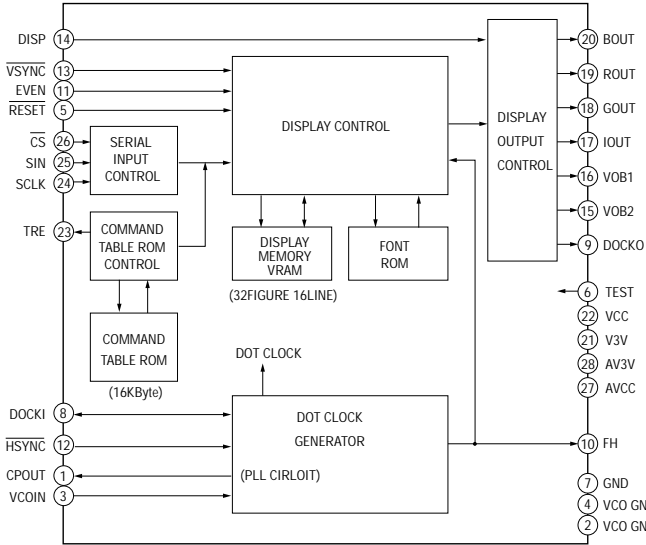
C BOARD (2/5) IC5104 M52337SP



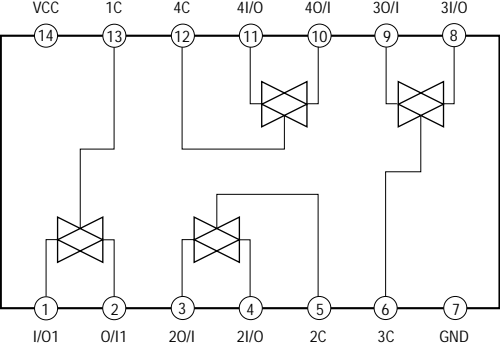
C BOARD (3/5) IC5201 M62399FP



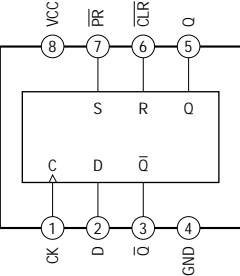
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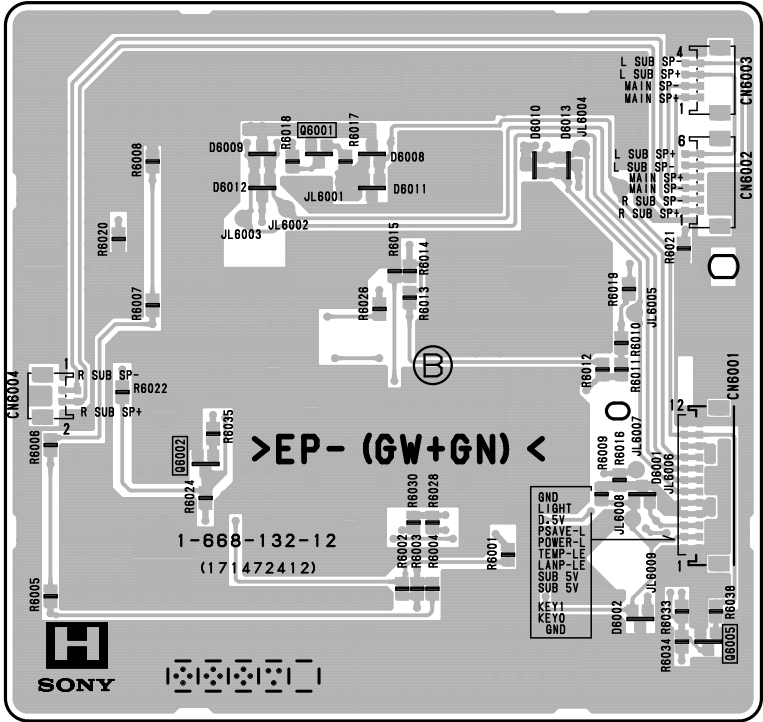
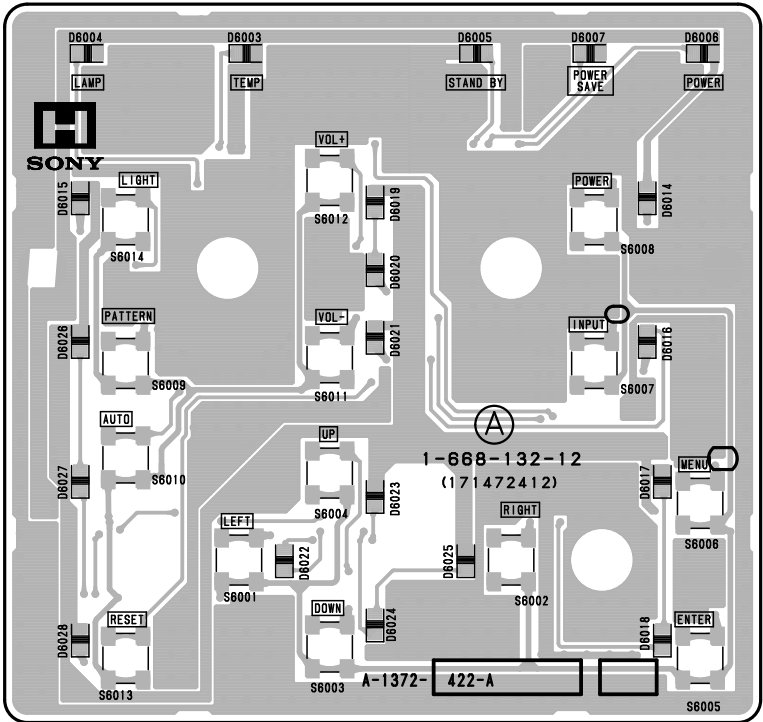
C BOARD (2/5) IC5108, 5109 TC74HC4066AFT



C BOARD (5/5) IC5401 TC7WH74FU

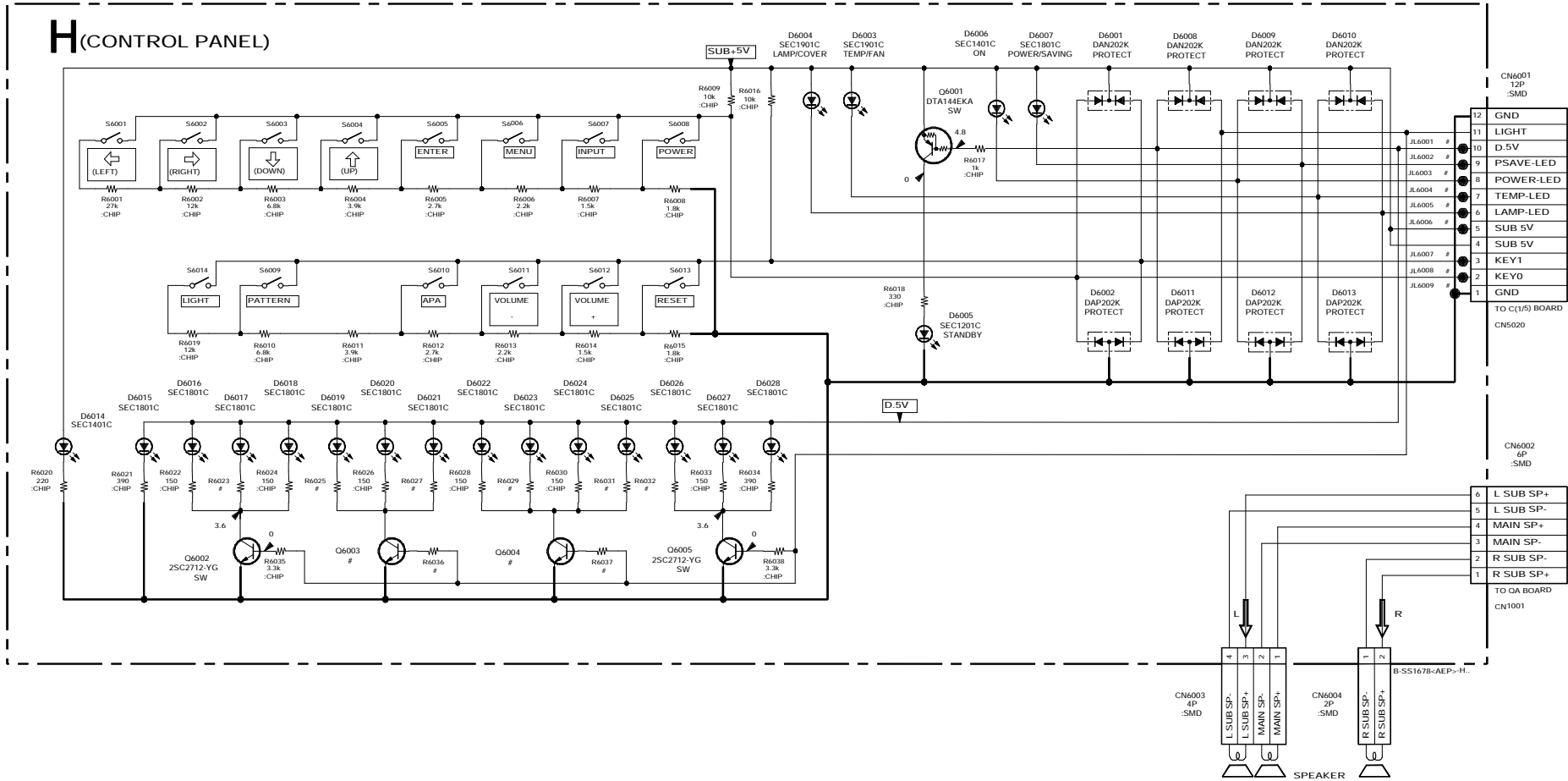


H BOARD



H - A SIDE-
SUFFIX: -12

H - B SIDE-
SUFFIX: -12



BAA BOARD

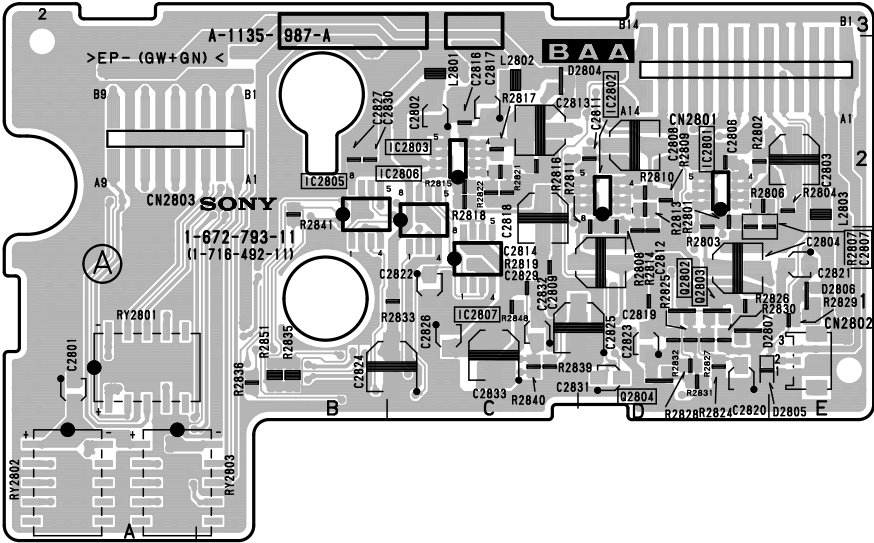
BAA BOARD

*: B SIDE

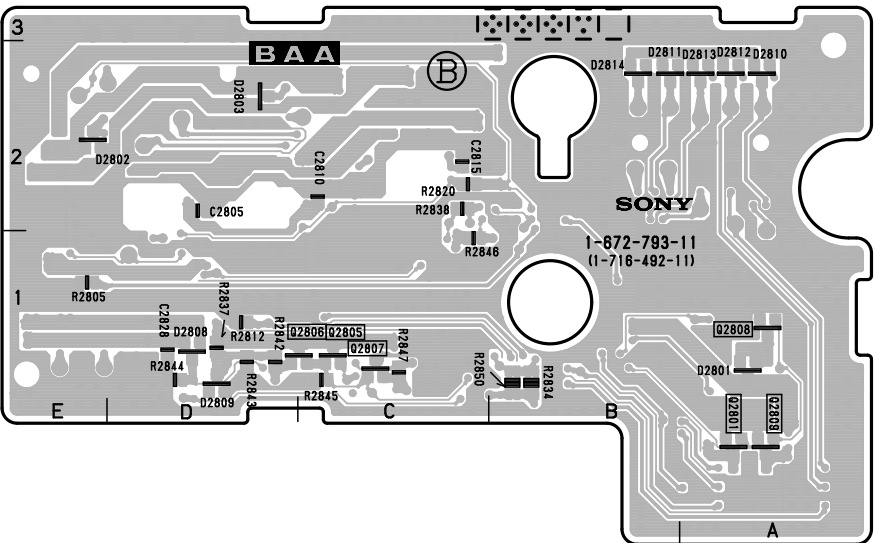
- *D2801 A-1
- *D2802 E-2
- *D2803 D-2
- D2804 C-2
- D2805 D-1
- D2806 E-1
- D2807 D-1
- *D2808 D-1
- *D2809 D-1
- *D2810 A-2
- *D2811 B-2
- *D2812 A-2
- *D2813 A-2
- *D2814 B-2

- IC2801 D-2
- IC2802 D-2
- IC2803 C-2
- IC2805 B-2
- IC2806 C-2
- IC2807 C-1

- *Q2801 A-1
- Q2802 D-1
- Q2803 D-1
- Q2804 D-1
- *Q2805 C-1
- *Q2806 C-1
- *Q2807 C-1
- *Q2808 A-1
- *Q2809 A-1

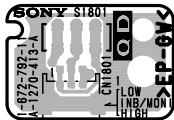


BAA -A SIDE-
SUFFIX: -11

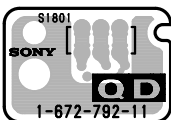


BAA -B SIDE-
SUFFIX: -11

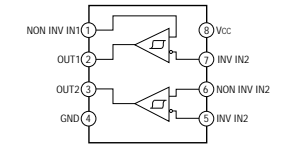
QD BOARD



QD -A SIDE-
SUFFIX: -11



QD -B SIDE-
SUFFIX: -11

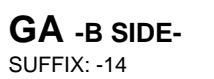


B-SS1678<AEP>-BAA

H

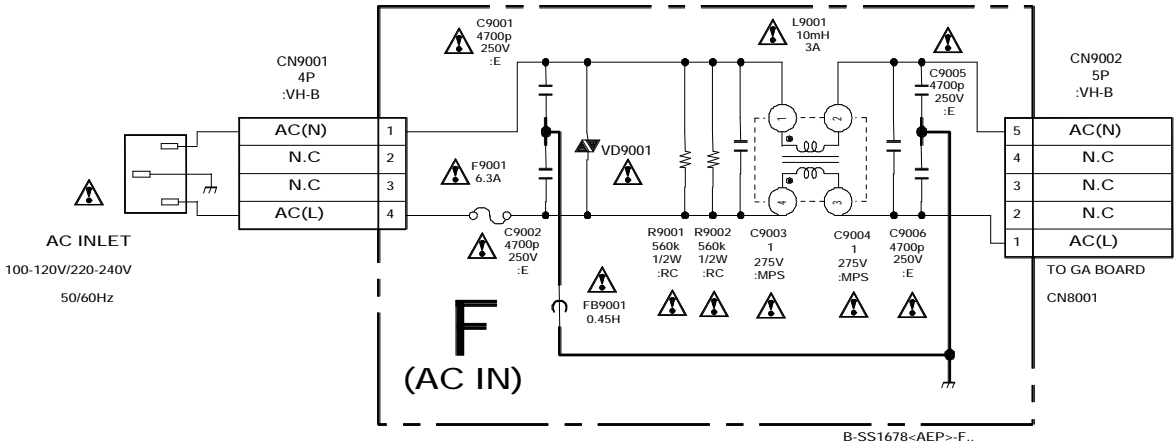
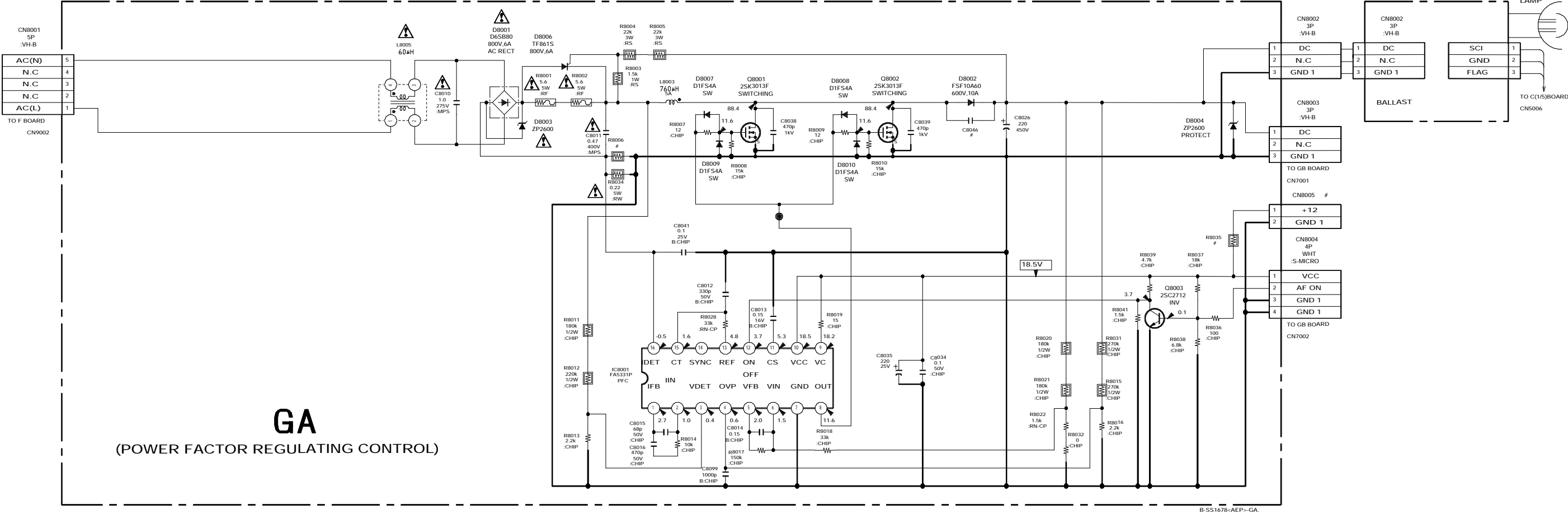
*: B SIDE

| | |
|--------|-----|
| D8001 | B-3 |
| D8002 | C-3 |
| D8003 | B-3 |
| D8004 | E-2 |
| *D8006 | C-3 |
| *D8007 | D-3 |
| *D8008 | D-3 |
| *D8009 | D-3 |
| *D8010 | C-3 |



F -A SIDE-
SUFFIX: -12





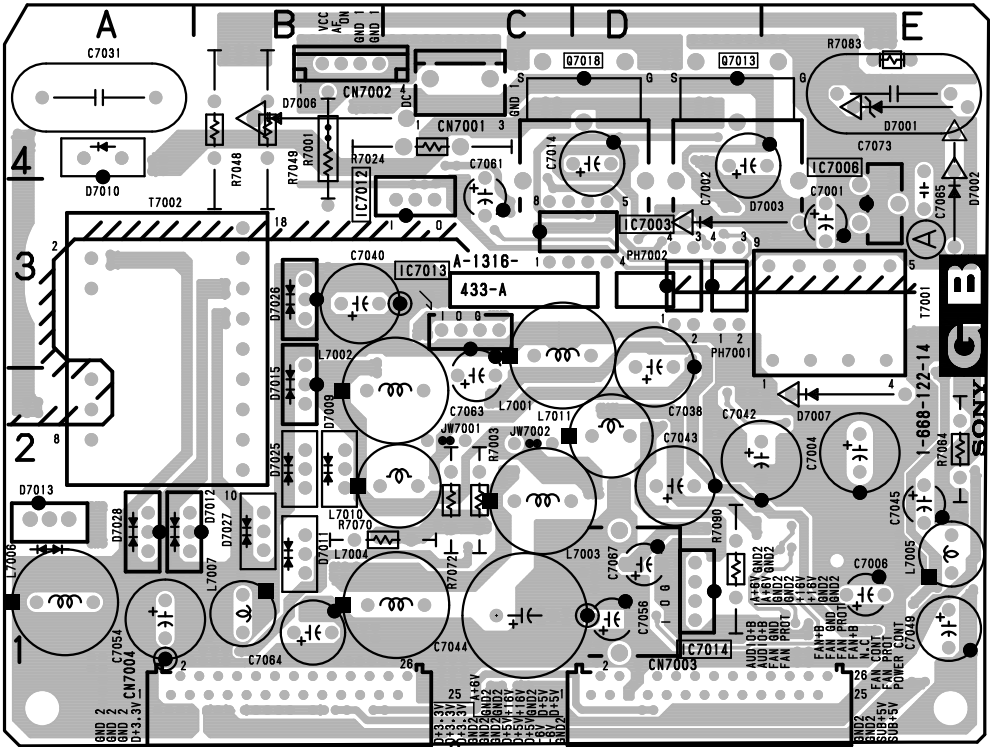
GB BOARD

GB BOARD

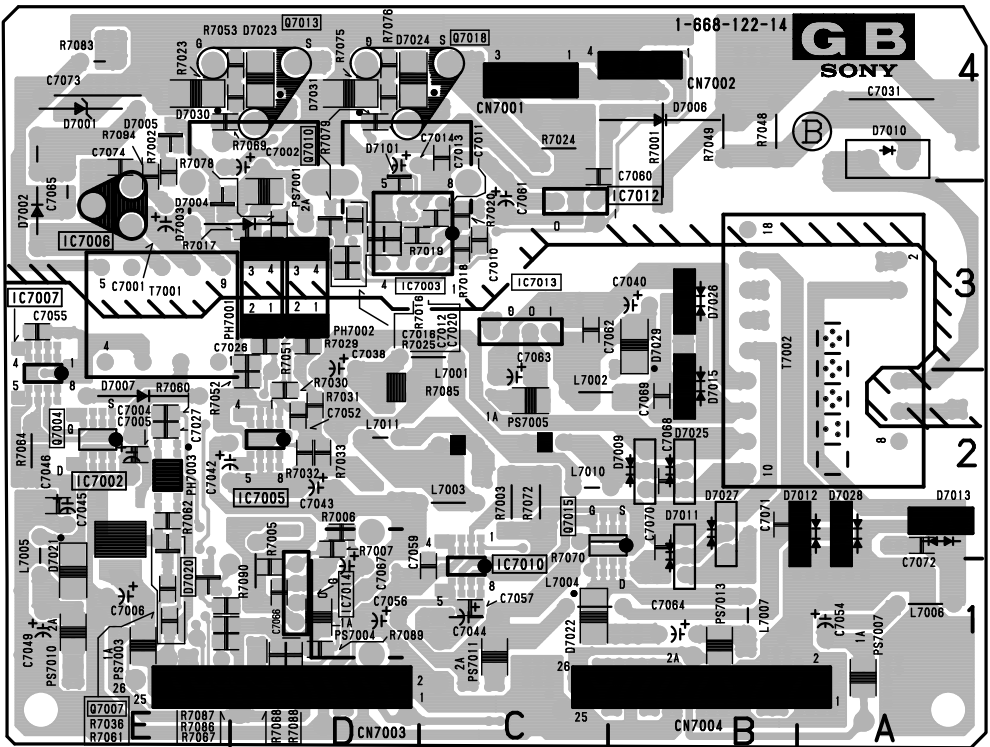
*: B SIDE

- D7001 E-4
- D7002 E-3
- D7003 D-3
- *D7004 E-3
- *D7005 E-4
- D7006 B-4
- D7007 E-2
- D7009 B-2
- D7010 A-4
- D7011 B-2
- D7012 A-2
- D7013 A-2
- D7015 B-2
- *D7020 E-1
- *D7021 E-1
- *D7022 C-1
- *D7023 D-3
- *D7024 D-4
- D7025 B-2
- D7026 B-3
- D7027 B-2
- D7028 A-2
- *D7029 B-3
- *D7030 E-4
- *D7031 D-4
- *D7101 D-4
- *IC7002 D-2
- IC7003 D-3
- *IC7005 D-2
- IC7006 E-3
- *IC7007 E-2
- *IC7010 C-1
- IC7012 C-3
- IC7013 C-3
- IC7014 D-1

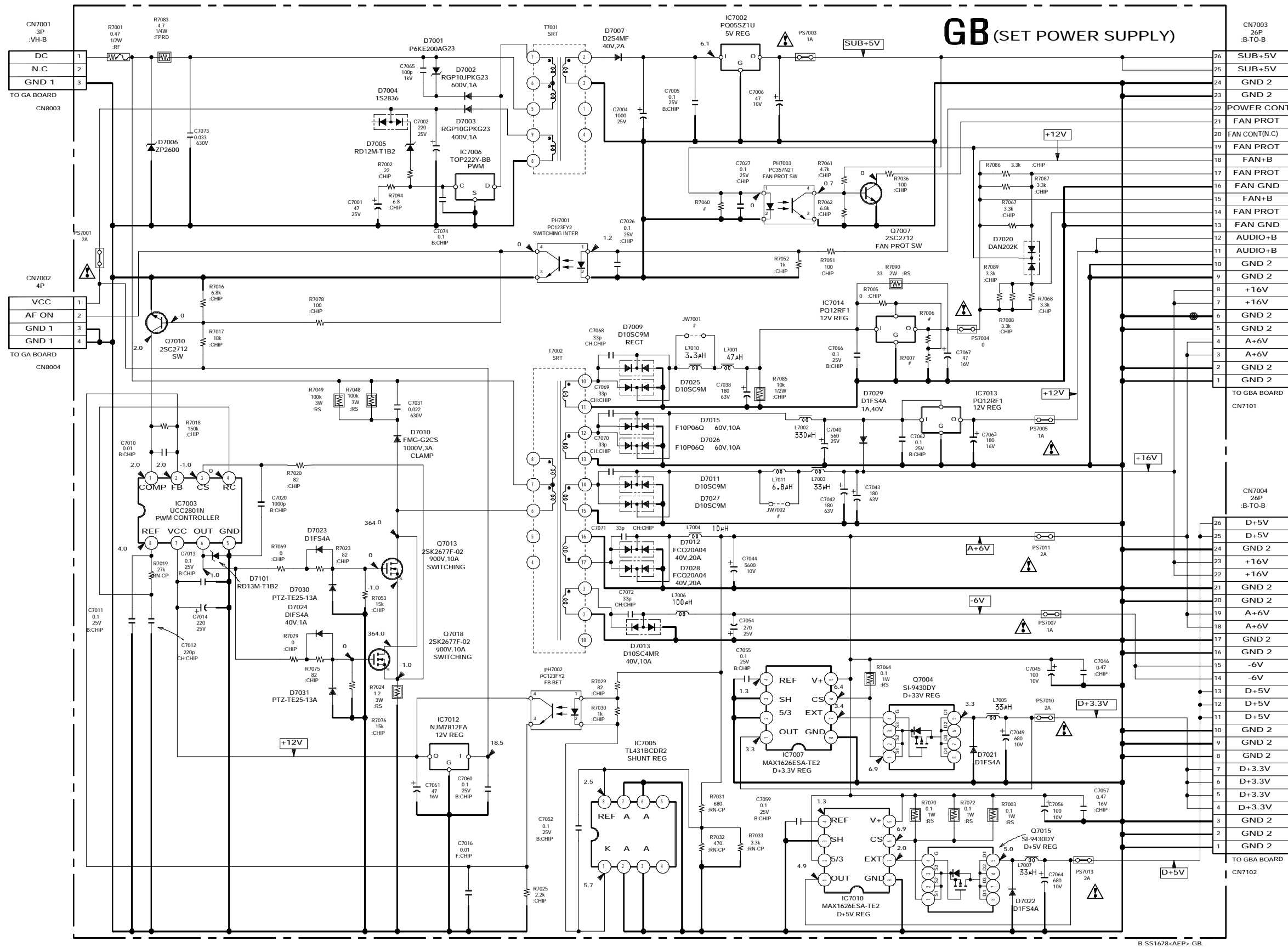
- *Q7004 E-2
- *Q7007 E-2
- *Q7010 D-3
- Q7013 D-4
- *Q7015 B-2
- Q7018 D-4



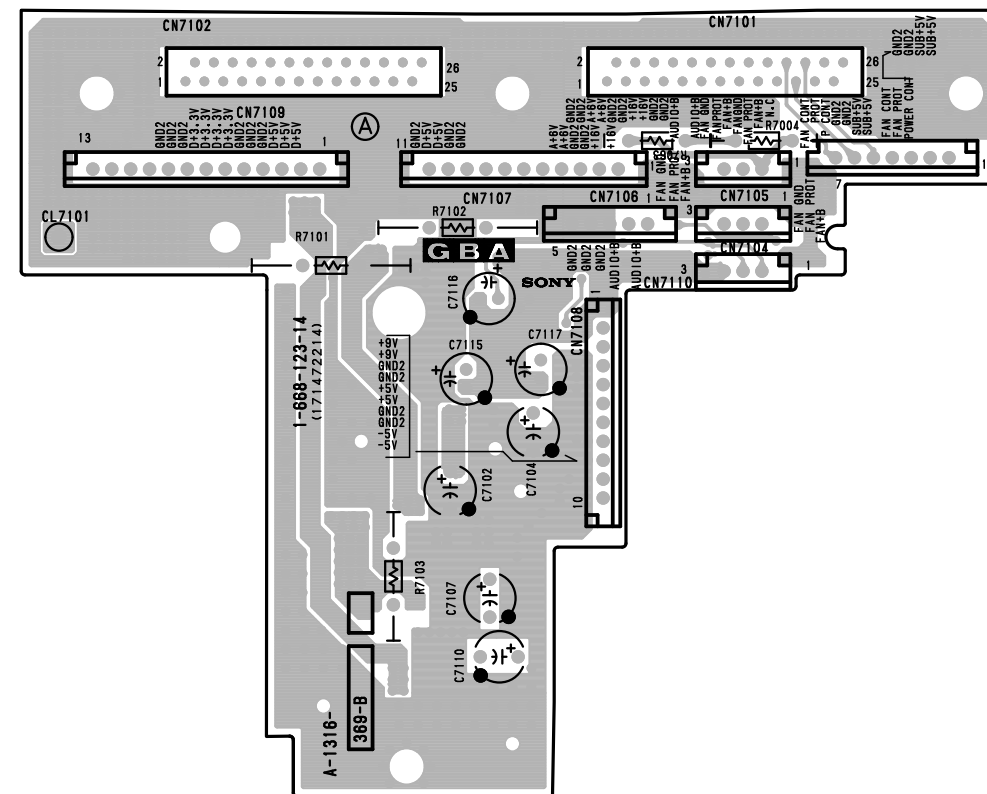
GB -A SIDE-
SUFFIX: -14



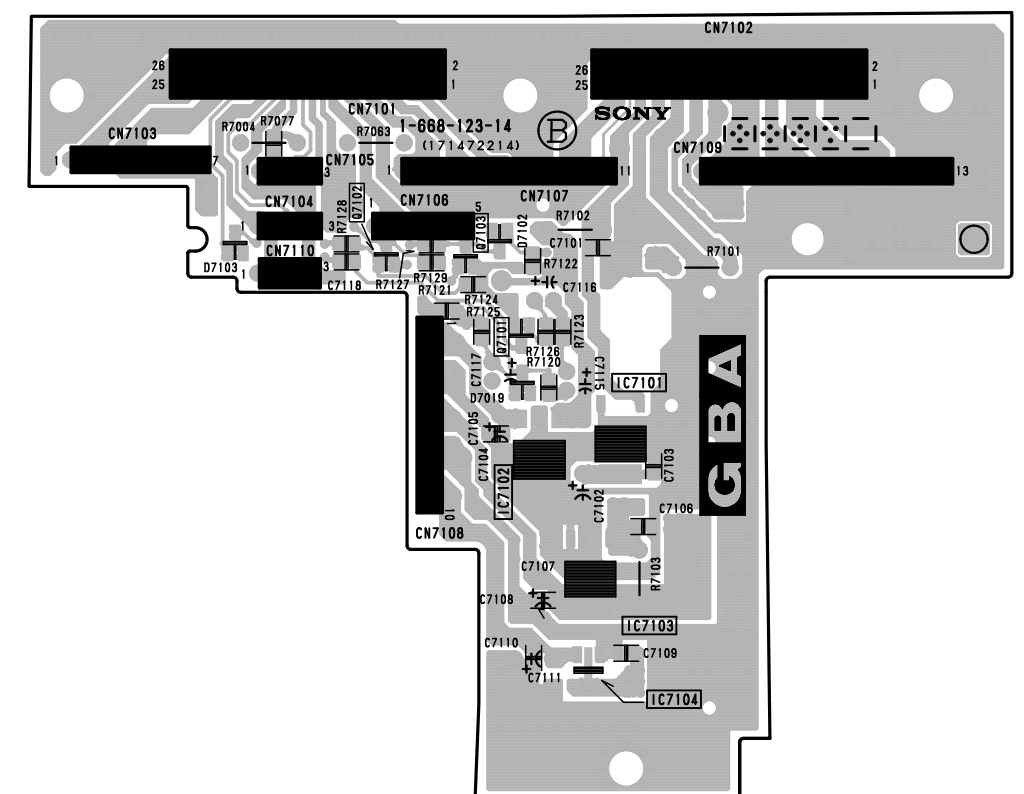
GB -B SIDE-
SUFFIX: -14



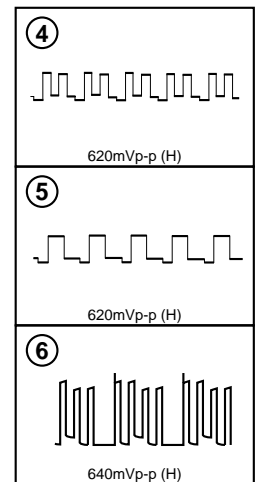
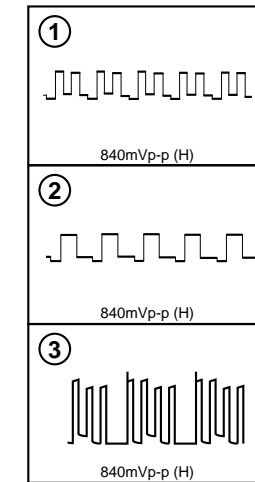
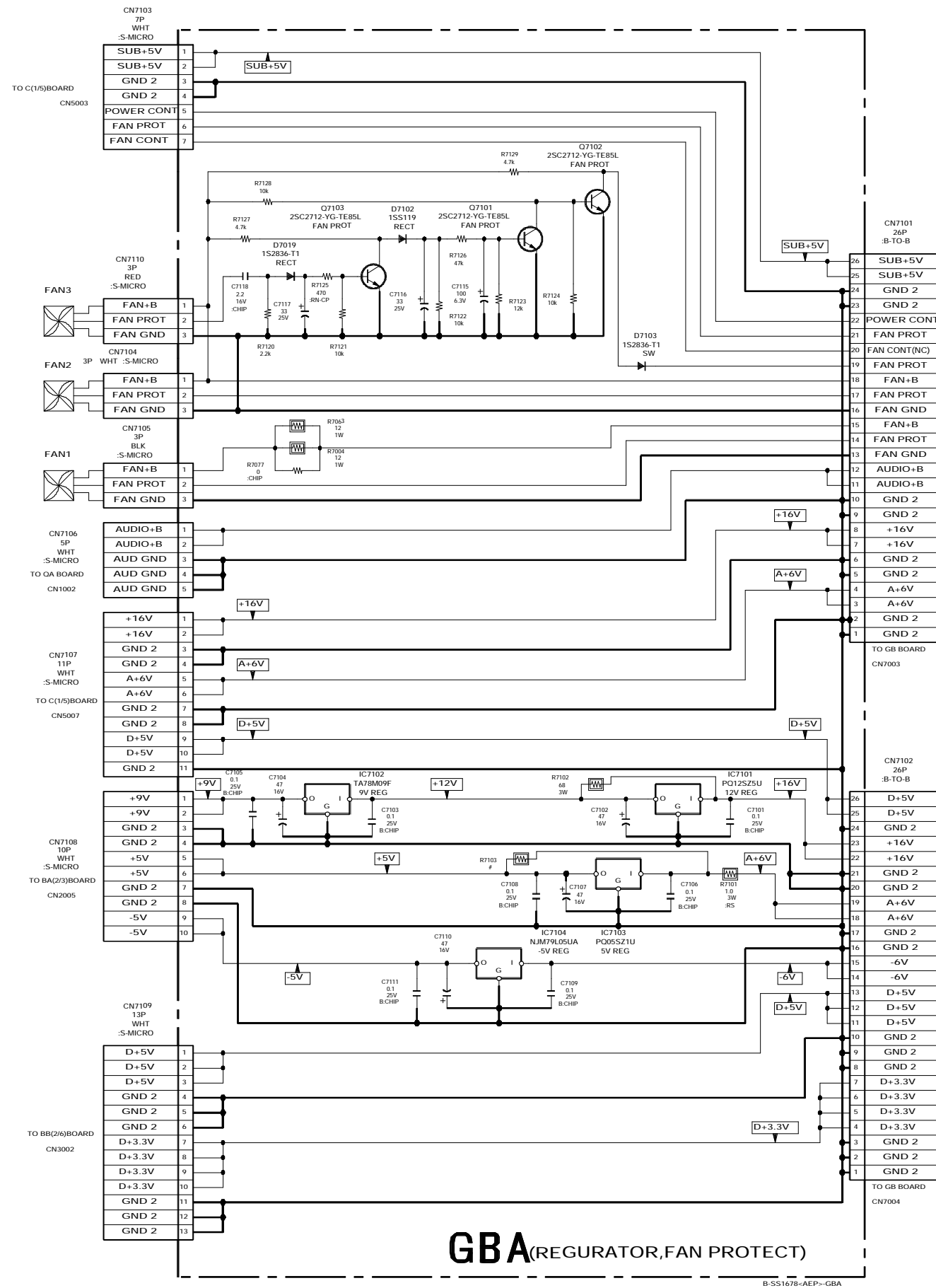
GBA BOARD

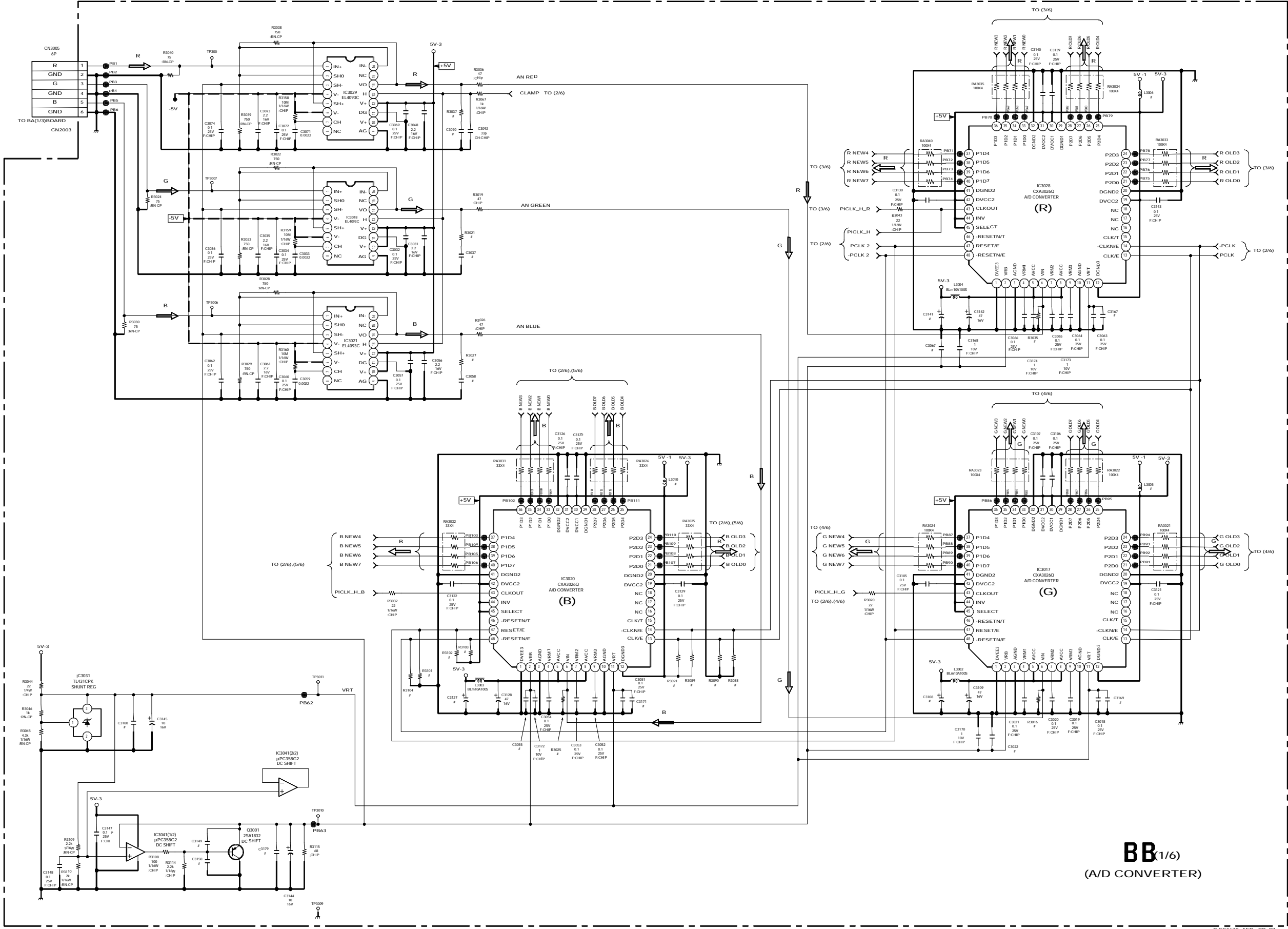


GBA -A SIDE-
SUFFIX: -14



GBA -B SIDE-
SUFFIX: -14





BB_{1/6}
(A/D CONVERTER)

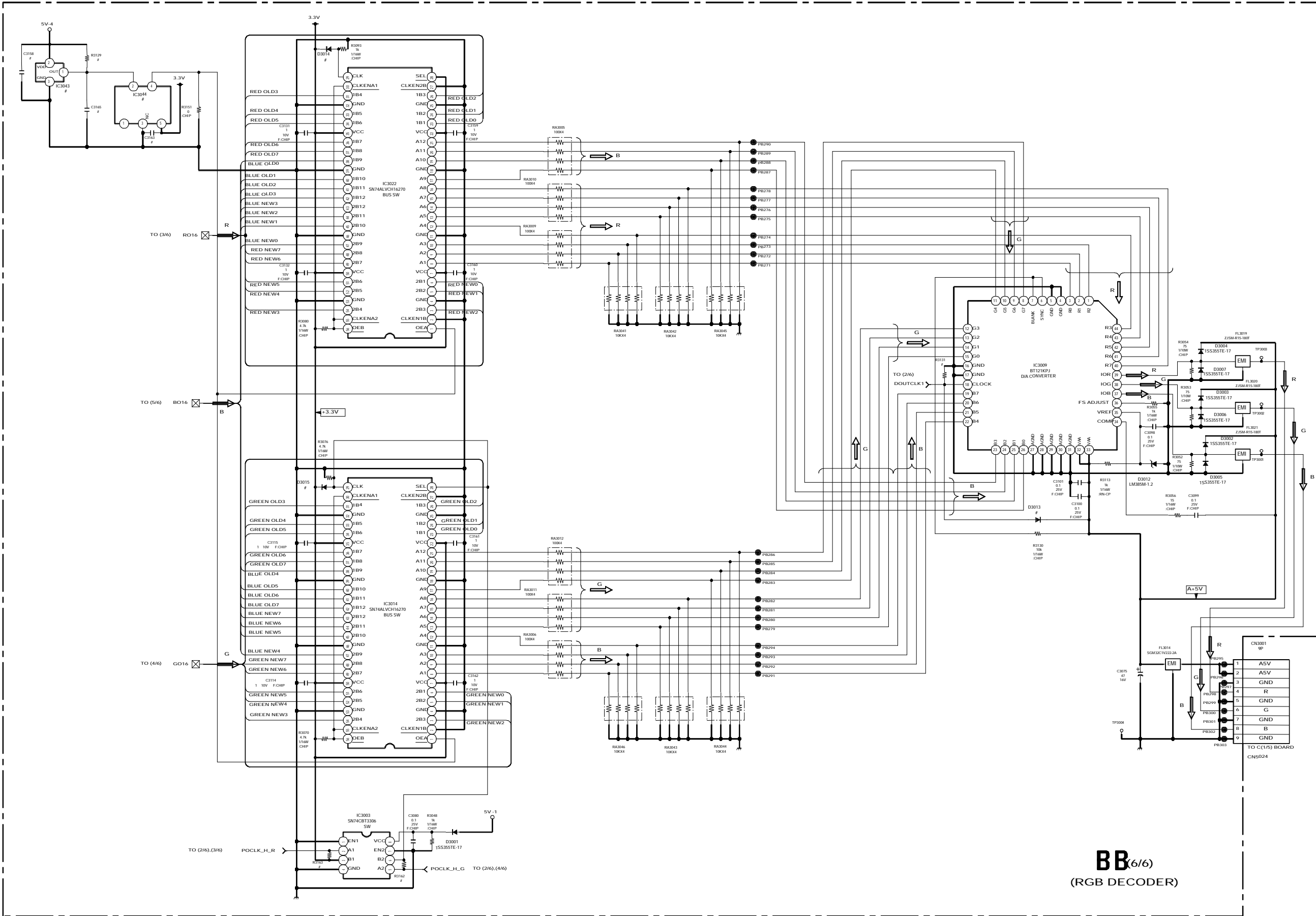
B-551678-AEP-BB-P1











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